

Sequence Listing

<110> Baker, Kevin P.
Goddard, Audrey
Wood, William I.

<120> NOVEL POLYNUCLEOTIDES AND METHOD OF USE THEREOF

<130> P2751R1C1

<150> PCT/US00/20006

<151> 2000-07-21

<150> US 60/145,701

<151> 1999-07-26

<160> 564

<210> 1

<211> 478

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 212, 285, 424

<223> unknown base

<400> 1

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gaagcagtat agtggtttttt gaaaatagac ttgaattagt tggaaatcca 200
tattgaaaac tntcgggcaa acatttttaa aaaataaaaa aatgatatgc 250
taagaaagaa gagaaaacgg aattacacaa atgntcaat taaaaccaca 300
aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350
caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400
taatcacttt aaatatcaat ggtntaaata tgtcaattat aagacagaga 450
ttaccagagt ggacacatta tataagct 478
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<210> 2

<211> 682

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 45, 51, 62

<223> unknown base

<400> 2

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gcgagtctgg gctttggcgc cttcgcagcc gcaggcgaca tcctctttcc 150
tagctaaagc cccaaacgcc caggtggctt cctgggagag cacggctgag 200
cctccgcett cagatcagaa caggcagagc ctccaagggc ggcttgggcc 250
cagtgcctgc ttatcctgcc cgtctctcca cacttcttct ttccctgtcc 300
gttggagtcc attccttctt ggaaaagcca aagccgcgct cccctaagag 350
tcatgtgtta ctggattaat tgaaattctt gataggtaac agagttttat 400
catcagctta tgattgccta tgactagctc aaagttaagt ttttaataaac 450
tagtaagtac aataaacctc attcctaaat acaaggaaaa gaactatata 500
atgaatactt gtctctatgc cctctctgca tagataacaa taatttaggt 550
ttacctttaa atgaactgca tttaaatgaa attaatTTAA atgattgttt 600
cacggcacag tttcatcaat ggtctacggg atcccttatt tatgtataca 650
tcagtttgta tacatctgta tctatgtatt tg 682

<210> 3

<211> 835

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 1, 6, 12, 27, 29-31, 49, 53, 56, 58, 61-62, 66, 68, 71, 74,
78-81, 85-86, 88, 91, 95, 98, 102, 105, 109, 111, 115, 126-127,
131, 139, 142, 146-147, 157, 163, 166, 169, 175, 177, 184,
196-197, 199, 210, 215, 217, 219, 222, 228, 234, 236, 238,
240-241, 244-245, 257, 260, 263, 271, 279, 287, 291-331, 335,
337, 345, 384, 392, 418, 438, 459, 465, 478, 499, 501, 507, 533,
562, 579, 587, 598, 616, 630, 656, 661, 667, 671, 684, 702, 746,
811, 824-835

<223> unknown base

<400> 3

nagaanggaa gngaaggagg aagaggngnn naagagggag gggaaaagng 50
gangngnag nngagnang ngngggannn naggnngnag naggncnag 100
anggnaagng nttgnaagaa aggganngcc nggtaaaana gnaccnnccc 150
aagaangnat tangngngnt tcctngntga aggntgtgga tcccanntnt 200
ttcccgggan ttatngntng gnaacaanat ttcnangngn nacnnaggca 250
aacaatnaan ttnccaaggt nttggtagna tttcccnegg nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatntnggg gttntcccc 350
tttcccttc ccttttcccc accccggggg ttcnggttg tnaagaaaaa 400
aaaaaaaaa agaattntg gcgcggcctc ggcggagntg gtgatcggct 450
ggtgcatant cggcntctta ctactggnta ttttggcatt ctgctggana 500
natgttngta aataccaaag tcggcgggaa agngaagttg tttccaccat 550

tgnantttgc ttngngatth cnattttattc caaantcann atagaatgta 900

atttccnaac ccacagtcgc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 950

nn 952

<210> 8

<211> 752

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 4-6, 8, 11, 34, 37, 40, 87, 123, 125, 133-134, 138, 143, 147,
166, 171, 174, 199, 242, 263, 302, 305, 333, 363, 380, 423, 425,
463, 527, 534, 539, 547-548, 553, 556, 561, 583, 604, 607, 615,
618, 621, 624, 628, 638, 641-643, 646, 648, 654-655, 658, 660,
666, 674, 676, 679, 688-689, 704, 710-725, 727, 730, 735, 739,
741, 745, 747, 749, 751-752

<223> unknown base

<400> 8

ggannngntt ncaaatggg atttttaacc aaantanggn agagaaaagt 50

ttaagtgttt tgccaaaaaa attccaagga aaataangcg gagtttgatt 100

tttcagagtt caacaggaaa aangngaaca aanngcngg agntttnaaa 150

gttttgaggaa agccantttt natntgttca aggaacagtt tttatttgng 200

atgccaatca gaatttttga cccagtataa tcaaggtcag antttcaacc 250

taagcctgga ccngacccat aataacggaa agtttaacaa tgactcacat 300

tntentaaag tttccagcca gaataggaca cgntcatttg gtcattttcc 350

cggtcagag ttnttgatg tagagaaan tagcttttcc caggaacaat 400

tttgtgatcc cgcaggagaa ggntntgaaa gaatacatca agattttgaa 450

tttggtgatg aanttagcag cagctccact gaacagataa gggcaaccac 500

acctccaaat caaggaaggc cagattntcc tgtntatgnt aaccttnnag 550

aantgnaaat ntcccagtat ggtcttcccc canttcttg gagcctggta 600

atnagnntta ttgngngntg nganactnat atagacanct nnnngngntg 650

ttannatnan cacagnngga catngnatng aagttggna cctcttgctt 700

ggantcgggn nnnnnnnnnn nnnnnntcn ccgcnnggnc nttntngng 750

nn 752

<210> 9

<211> 478

<212> DNA

<213> Homo Sapien

<400> 9

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tatacagatg cacgcttatt tatacttatg tgtaagtga ataatggca 100

<400> 12
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 ccnagagnn gccgcaccgt cgggttgag atcncgctca aggtgncct 150
 ctgggtctnc atctgccccn ncatcgcca caggaaaagc cctggtcccc 200
 taggcacgnt cgtgggttca gcttttcgtt ctctcgaca ttgaggtatt 250
 cgctcagccc accacgttgt cctncgggg ttattaggcc ccagtcacaa 300
 gccntatgga tgttttccag acttcccagg tggagataag gaaaatttta 350
 ctattttctgc agaacttctg ttgatgtaca gccattgtat ttagcaactt 400
 cgtgtagatc tgaaaataaa tacattacca attgttagtt gcgtttttat 450
 taatataaat cttagagtag ttgattttgc tgttagcttt acttaggtaa 500
 attatgtggc actctagcat tttgttggt gcattgtcca ttgaactttg 550
 ctctgtgttt tccatttatt ccaaattcaa aatagactgt aacttcccaa 600
 tttattctat gttcc 615

<210> 13
 <211> 1207
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 567, 675, 710, 733, 831-833, 1036
 <223> unknown base

<400> 13
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 aagtaatgac acagatggga cctgaacctg ggtctcagga ggctctggtc 100
 cctggccaaa ctatgtgact atgtacatcc acctgggttc tgcctatggg 150
 ttagtggtg acaggaacat tccatgatgg ctgcagcctc catcccaggg 200
 gcacttggag aagccattcc actcagcccc cttgaccaga agaacccttg 250
 ggatggaaaa gggaatcctg attctgcaac tacgtgctcc catgagatct 300
 gattttcagc cagggtgat ccgtggctgc cagcaaggaa gccacatcat 350
 ctcatgttta ctgactggc ccggctgaaa gattagacaa caacgtttac 400
 tttgccatta gccctgcctg gcaactcagta tggatttgc tggctttcag 450
 gggcactggg tacagtgtct ccgatgcagg gcagcccctg ccaagggcac 500
 aggtgttcat aaatattcca tgaaccaatc aaatcagcca tggaatgaga 550
 tctaagggaac ctattncgg caagcctgag acgaacactt aagcatgata 600
 atgttatcaa cctggctctg taggcattgg ggcactggtc cctcgcat 650

tcaatcaggg tctcaccag ggacngatct ccaacaccaa aaaaacttgg 700
 tttttccatn cccattccaa actgggctct cnccaaagt cccttagggc 750
 attgggggca agctgggtccc cttggcaggt tttttcattc gaggttctca 800
 cccccggggg accggggatc ttccaacacc nnnnggggaac cttgtgtttt 850
 ccactcccca gtcccagacg tgggctgctt ctccagagat gcccgaggt 900
 tttaaaagtt aaattgatga taactttttt ggctcaagta tagaagtaat 950
 acattatcca ttgtagatta tttataggt aataaaattt tttaatgac 1000
 ttttaacccc actaccaga actaaccacc actggnggta gtaaataaat 1050
 atattgattt acttacaat ataggaccac aagatatggc acatgttttg 1100
 caaccaacct gttttgatag gcccgagctt cttctgctgc gctactttat 1150
 ttgcaacca aaccgcttt taaaagaaaa atcatggtct tgtattttac 1200
 aagtgat 1207

<210> 14
 <211> 789
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 552, 576
 <223> unknown base

<400> 14
 atcgattata aaagcagaaa tttcacctgg ctgccacccc caatttcagt 50
 tttcctctaa gagttagcca ctattatccc ttcagagtgg atattcaggg 100
 ttttctttcc tggcatggac atacatatgt aaatgtacat atataaaaaat 150
 aattagtac accatgcatg gtagctcacg cctgtaatcc cagcactttg 200
 ggacgctgag gtgagagaat tgcttgaggc catcagtttg aagctgcagt 250
 gatctatgat tgtgcctcta cactccagcc tgggtgacag ggtgagaccc 300
 tgtctcttaa aaaaaaattc gtatttgggg ttagtagtag tacctacctc 350
 ataggttatt atgggatcag tacagtaggc cagacaaagt gcgtatgcta 400
 ttattttgca tgtagtaagt accagcatat actacctgtt atccagaaat 450
 ttgctgaaat gtcccttgta ttttctctct ttcgattttg atcagtcttc 500
 ctagaagtca tcagtttgag ttttttcaaa gaaccagtgg ttggtttaat 550
 gnatttgggt tggtttcttt tccaangatt tctgctttac tccttaataa 600
 ttcccttttc tgctggcttt gggttccatt tgttcttctg tctcttctag 650
 tttcttaagg taaaggctta gatcattgac ttcagatttt ttgtcttttc 700
 taacaagtgt tcaaaactat aatataaatt tccctctaag cattgtttag 750

ccacatttca caaatttgga aatgtttatt cattttcac 789

<210> 15
<211> 294
<212> DNA
<213> Homo Sapien

<400> 15
ttttattaat tttatTTTT ttttaataca gattttccag tgaggggctt 50
tttcaacccc attggttcta ttttcttga tttttccatt taatttgctt 100
cataacttaa accaagtctc ttctagtctt aggtattatt tctcgatttt 150
gtgctgatgg gcatgtttat aagaactgga gaggtgattt attggaatga 200
actaactgac ttctccatt cccctcttcc tttttgacat gaattttact 250
acttcacaaa tgaagaatga tgttatgaag ttaccgtggc aaag 294

<210> 16
<211> 514
<212> DNA
<213> Homo Sapien

<400> 16
cccacgcgcc gctaaccctaa tgttcttttt tagaatttca ggttggtggc 50
tccactgagt atgcagctac tatgggtttt gtatgggacg tataaatact 100
tgattatata cgacagattt taatgtcttt aaagacttcc tgctgtatta 150
acatattgta atggagtctt ttaaatacta ggttgaattt aattgaagtc 200
acacacatct tgaagtggta actgcatagt aaatactacc aagagttttt 250
ttcacgtggg agtatcctaa aactctgcca tgggtgtaaa tgttttacat 300
taatttcata attggacaga ccctgcattt agcgaataca ttttgttttg 350
aaagtgtggt ctttttgctg cactgttact gcgtaacact tctcaacatt 400
ctgtaagtta aattatttta aaataactat ggtgaattca tgtttatttt 450
tttttacttt gaaaattgta gtactcaggt ggtatttaat gggaaaggat 500
cctttgggta taaa 514

<210> 17
<211> 501
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 57, 60, 97
<223> unknown base

<400> 17
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ctactanggn ttttgtaagg ggaccgtata aataactgga ttatatnca 100

cagatctttaa atgtctttaa agacttcctg ctgtattaac atattgtaat 150
 ggatctttaa aatactaggt tgaatttaac tgaagtcaca cacatcttga 200
 agtggttaact gcatagtaaa tactaccaag agtttttttc acgtgggagt 250
 atcctaaaac tctgccatgg gtgtaaaatgt tttacattaa tttcataatt 300
 ggacagaccc tgcatttagc gaaaacattt tgttttgaaa gtgtgttctt 350
 tttgtgcac tgttactgcg taacacttct caacattctg taagttaaatt 400
 tattttaaaa taactatggt gaattcatgt ttattttttt ttactttgaa 450
 aattgtagta ctcagggtgt atttaatggg aaaggatcct ttgggtataa 500
 a 501

<210> 18
 <211> 197
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 27, 42, 57
 <223> unknown base

<400> 18
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 tttgtgntga tgggcatgtt tataagaact ggagaggtaa tttattggaa 100
 tgaactaact gacttctctc attccctctt tcctttttga catgaatttt 150
 actacttcac aaatgaagaa tgatgttatg aagttaccgt ggcaaag 197

<210> 19
 <211> 526
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 60, 74, 97, 111, 165, 208, 221, 225, 227, 356, 371, 398
 <223> unknown base

<400> 19
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 ggggtttccn ggaactattt gggncctatg gaaatagccc ttaaagngct 100
 tacattcatg ngctacttta acatgaatgg agaaaatccg tttatggaag 150
 tacagtgaca attgncccaa tcaactctgtc catcaaacca ctcaggctag 200
 tttgtacnag tagagttttg nttnantttt tatttttatt aattttattt 250
 tttttttaat acagatcttc agtgaggggc tttttcaacc ccattgggtc 300
 tattttcttg tatttttcca tttaatgtgc ttcataactt aaaccaagtc 350
 tcttcnagtc ttaggtatta ntctctgatt ttgtgctgat gggcatgntt 400

ataagaactg gagaggaat ttattggaat gaactaactg acttcctcca 450
ttccctctt cctttttgac atgaatttta ctacttcaca aatgaagaat 500
gatgttatga agttaccgtg gcaaag 526

<210> 20
<211> 379
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 103, 125, 127, 204, 219, 378-379
<223> unknown base

<400> 20
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agacgtcctc cgataacaaa aatccttgct tcctctgtct gtgactttac 100
acncagttgt tcaaagttgt taaangncaa gagtcaatca catccctagg 150
actacctccc aactctcctg actcttatgt tattgaaaaa acaaacaaac 200
aaanactcct ttatgatgnt attcaacttg agtgggggtt tttttccac 250
tttggtcctg gatataatga aatgatacat attaggataa attttcactg 300
tgtatagtag caatacgaac acacatgcca atgtatcaac atatctactt 350
ggttacattt tggtttatga taatcgann 379

<210> 21
<211> 408
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 102, 153, 167, 230, 251
<223> unknown base

<400> 21
tggataaact ggaaatttat tggatccagg ttccacattg gcagtttggg 50
aactactacc aaaaagattt caccaattta caactccatc attagtaaga 100
angcctgttt gcctatagtc tgccaacctg aacccttaaa aatttttgcc 150
aanctggtag gcaaaantct ttcttttctt tgaatattaa tgaggaggaa 200
catcttttca tgtttcttgg ccatttgcan ttctattat gaattgcttc 250
nggcccattt tccttttttt aattatgaaa gtctaataac taccttctca 300
ttgtataaaa aacacagttc tttgaataga gagacccttt tctccaatgc 350
taccaatcac attccactta ccacagttta acatacatcc tctagtcacc 400
tttcccgga 408

<210> 22
<211> 453

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 87, 175, 263, 297-298
<223> unknown base

<400> 22
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tttacttttta tggagttttc aggaaactat tttatancat ctagttattt 100
agtctacgta tctctattta gtggagcctt tccccctcaa ataatatatt 150
ttatcatttt tggacttata taaancataa ttaaataaat tttttcttaa 200
tactgttgga ctttgtatat acaagttcag ataacttttt ogaagatagt 250
ttcttatata aangtaattt aatttttttt actcttctat acagtttnntt 300
agatgtaaag gaattagcac aatctctggc agttttataa aagctgttga 350
agctcttgtc ctgcaactgtc tttaggtatc ataggtatca ggtttgcttt 400
gtgttaatgc cacttcaagt cattatttgg tttctgctat ttttttacct 450
gag 453

<210> 23
<211> 356
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 45, 201-202
<223> unknown base

<400> 23
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atttacactc ttttgggggt caagaatttg aatgaagaaa aacaaatcca 100
attaattttg gcttccagtt acttctgata aaatcagtga aggttcttgg 150
attttgaaat ctgagttgtg cattgctttt tttagatcct gccaggttac 200
nnttttttaa ataacatgta caaattcatc tttttcagta tagactattg 250
taagtttttg gaaattgtta tagtcataga accatgatca ctaacaagat 300
atattccccc actocaaagt cctatgtgtt ccttttgtag ttaacctgtc 350
accac 356

<210> 24
<211> 498
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 49, 102, 141, 147, 171, 324-325, 339-341

<223> unknown base

<400> 24

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tccagctggt gggcttcatt ctccccttcc tgggatggac cggcgcccat 100
cntcagcact gccctgcccc agtggaggat ttactctat nccggcnaca 150
acatcgtgac cgcccaggcc ntgtacgagg ggctgtggat gtcttgctg 200
tcgcagagca ccgggcagat ccagtgcaaa gtctttgact cccttgctga 250
atctgagcag cacattgcaa gcaaccctg ccttgatggg ggttggcatc 300
ctctggggag tgatagcaat cttnttggcc accgttgtnn ntgaagtga 350
tgaagtgcct ggaagacgat gaggtgcaga agatgaggat ggctgtcatt 400
gggggcgcga tatttcttct tgcaggtctg gctatttttag ttgccacagc 450
atggtatggc aatagaatcg ttcaagaatt ctatgaccct atgaccga 498

<210> 25

<211> 466

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 304

<223> unknown base

<400> 25

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gggaatttgt ggtggcaggg aagtaatgta agttgcttta taactcactg 100
tctaacaaag ttttgaaaat ttgtctgata tgtaattagg tactttaggg 150
ttattagggt ttcataaaaa ttctggttag ggctcttgcc ctgctcccaa 200
tgaaagcctt tccacagggc aaatataaaa gagagagtag agggaatccc 250
cctgagggtt aaataagtca aaccagtaag taatagtgtt aagtttgtca 300
gtgncctctc tttcttactg tacttaacat cttaaaggga cctcatttat 350
tttcagctaa ttatgttctt tatgagtgc tgtcaaatca gggaagggtg 400
tgacgatcat gtggagatac ctttttctaat taatagctgc cttgctctc 450
aagattctga cgaacc 466

<210> 26

<211> 409

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 30, 36, 68, 77, 119, 235, 248, 250-252

<223> unknown base

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<400> 26
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gcccgcgggc gtgcccangt cccaccntac ttgaaaaatg ttgccagcc 100
agtctccttg gcccatgtnc gcaggggcag aagtgggtgcc acaggtacta 150
ccgaccggac ctgacaatac ctgaaattcc caccaaagcg tggagaactc 200
aaaacggagc ttttgggact gaaagaaaga aaacncaaac ctcaagtntn 250
nncaacagga ggaacttaaa taactacgtc caagaattct gtgaataata 300
taagtcttaa atatgtatctt cttaatttat tgcacaaac tacttgcct 350
taagcactta gtctaagtct aactgcaaga ggaggtgctc agtggatgtt 400
tagccgcga 409

<210> 27
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 37, 42, 62, 79, 81, 129, 132-133, 176, 179, 229-230, 248, 375
<223> unknown base

<400> 27
cgtgaaacac ccctttatctt ccttcataac tactcantat gnctatttcc 50

ttcaccagat gnaagctcct gagctcagnc nctgactgtc tttttcaaca 100
ctgactagta cataacaggc acccaatant tnnttaattg tggtaaaata 150
tacataacaa agttaccatt ttaagnatnt aattcagcag cgttacatac 200
attcaaattg ttgtgcaacc atcaccacnn tccatctcog gaactttnta 250
tcttcccaag ctaaggctct tggcccatta aacaataact tctaattgca 300
cccttccctg tccaccctgg tgaccatcat tctgcactct atgaatttgg 350
ctactttatg tcccccaaat aagtngaata ataccgaccc 390

<210> 28
<211> 402
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 105, 115, 245-246
<223> unknown base

<400> 28
tggcatgtgg gccatttca gtttccctac atgttcccaa aanttattta 50

aattactgtg tccaaaatta tgaggacagt gtcattcatt caccatagtt 100
tatantctta gttanataac aaacttcctt ggcacctagg ataagaacat 150
ttcttttgaa gttatccaat ttttttttat ttttacttga cttgaaggaa 200

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agttggaaaa tatggtggaa aaaatcttcc gcattaaaag ggtcnntaaa 250
 acacaacccat ttacgatctc agtcagcaga tttactctac tcaaggaaaa 300
 aaagaaacaa tcttattgga agcagatggt gacactgtgt cagttattga 350
 agacggaagg agttcacttg agccattgca gttacaaagg ggtattgatc 400
 ga 402

<210> 29
 <211> 300
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 39, 47, 112, 134, 142, 144, 149, 177, 183, 234, 251, 257, 287,
 297
 <223> unknown base

<400> 29
 tctgccccctg aaatatacaa gggcatgcc caaattaana cagggttnacc 50
 tttgtagagg taaatatggt ggcattatatt attgacattt atgcttcaag 100
 catgtcttat tntatgtaat ttttaagaaat actntattta antngtgana 150
 tatacctaaa agcatactag ttagctntta gantctcact tagggagggt 200
 aaagaaacat cactgatgcc aatatgaaga tttntaaaca aatcctttgt 250
 ntagaanttt tttcttttcg tgcacctcac aacacantta ccatcgnacc 300

<210> 30
 <211> 540
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 30, 85, 106, 114, 146, 153, 169, 178, 227, 231, 235, 253, 256,
 268, 343, 373, 443, 486, 531
 <223> unknown base

<400> 30
 ggccgggttct ttttaagatct ttgacctgan ccaaagtttc ggggaagggg 50
 ggggttgccca ggtggagtgc atgggggatt ttggnttaat gcaagttccc 100
 cttccngtgt taangccatt ttctgcttc agcttttttg agtagntgga 150
 aanacaggcg cccgccaana cacctggnta attttttgta ttttcagtag 200
 agaegggggt tcaccgtggt ttcaatntcc ngacnttggt atccgcccgc 250
 ctnggnttgc caaagtgntg ggattataag cgtgagccac cgcgcccggc 300
 cgagatgttt tgatacaggc atgcaatgtg aaataatcag atnatagaca 350
 atgaggtatc catcccctcg aanttttate ctttgtgtta ctaacaatcc 400
 cgtgaacact tttttagtta ttttaaaatg tataattagt tantactgac 450

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tatagtcaac cctgttatgc tgtcaaataa tagatnttat tcattcttac 500
tgtttttttt gtactcatta actgttctca ncgccgaacc 540

<210> 31
<211> 168
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 61, 112, 156, 165
<223> unknown base

<400> 31
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aactcntggg ntcaagcaat actgccttga cctcctaaag tgcttgatt 100
acaggcatga gntactgcgc ctggcctgca atatgtattt taagctactt 150
ttttnttat tccgnacc 168

<210> 32
<211> 534
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 98, 118, 504, 513
<223> unknown base

<400> 32
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ctggaggcag gttegtgtg gttccccctc ccgacctggc agagctgncg 100
ggagctctct gaggtccntc gagagtaccg gaaggagcac cagactacgt 150
gttccttgcct cttctgcggc gctacctct acaaacaggg ctttgccatc 200
cccggtcca gtttctgaa gttttagctg gtgccttgt ttgggcccat 250
ggctggggct tctgctgtgc tgtgtgttga cctcggtggg tgccacatgc 300
tgctacctgc tctccagtat ttttgcaaaa cagttggtgg tgcctactt 350
tcttgataaa gtggccctgc tgcagagaaa ggtggaggag aacagaaaca 400
gcttggttttt tttcttattg tttttgagac ttttcccat gacaccaaac 450
tggttcttga acctctcggc cccaattctg aacattccca tcgtgcagtt 500
cttntttctca gtncttatcg gtttgatccc cgga 534

<210> 33
<211> 361
<212> DNA
<213> Homo Sapien

<400> 33
aaaaaaaaa aaaactgcct ttcttccct cagtcaactt ttgtgctcca 50

ttgtatgaca atttcatatc agccccccag agagttggca tttggattga 300
aatcatactg agtctctaga ttaatttagg gagaagtgc atctttataa 350
ttttgaatct tcctatccat gtatatgcga gtgttttgta tttcagtggc 400
attttcaaat tttcttcagg taggtctctt agtgtttatt cccga 445

<210> 36
<211> 526
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 25, 50, 60, 123, 127, 370, 395, 397-398, 402-403, 405-407
<223> unknown base

<400> 36
attctccct cctggatgga tgcncacc gtcacattgc cttccccan 50
tggaggattn actcctatgc tggcgacaac atcgtgaccc cccaggccat 100
ttaccgaggg gctttggatg tcntgcntgt cgcagagcac cgggcagatc 150
ccagtgc aaa gtctttgact ccttgctgaa tctgagcagc acattgcaag 200
caaccctgc cttgatgggg ttggcatcct cctgggagtg atagcaacct 250
ttgtggccac cgttggcatg aagtgtatga agtgcttggga agacgatgag 300
gtgccagaag atgaggatgg ctgtcattgg gggcgcgata tttcttggtg 350
caggtctggc tatttttagtn gccacagcat ggtatggcaa tagantnntt 400
cnnnntct atgacctat gacccagtc aatgccaggt acgaatttgg 450
tcaggctctc ttcactggct gggctgctgc ttctctctgc cttctgggag 500
gtgccctact ttgctgttcc tgtccc 526

<210> 37
<211> 375
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 220
<223> unknown base

<400> 37
tttttttct tgtttaagct gactctttgc tctaattttg gaaaaaaga 50
aatgtgaagg gtcaactccc acgtatgtgg ttatctgtga aagttgcaca 100
gcgtggcttt tctaaactg gtgtttttcc cccgcatttg gtggattttt 150
tattattatt caaaaacata actgagtttt ttaaaagagg agaaaattta 200
tatctggggt aagtgtttan catatatatg ggtactttgt aatatctaaa 250
aacttagaaa cggaaatgga atcctgctca caaaatcact ttaagatctt 300

[illegible]

<220>
<221> unsure
<222> 22, 61, 91, 144, 238-239, 262, 265-266, 271, 274
<223> unknown base

<400> 41
agagcacccg cagatcccag tncaaagtct ttgacccttg ctgaatctga 50
gcagcacatt ncaagcaacc ccttgcccttg aagggtggtg ncatcccccc 100
tgaggagtga tagcaatctt tgtggccacc gttggcatga agtntatgaa 150
gtgcttgga gacgatgagg tgcagaagat gaggatggct gtcattgggg 200
gcgcgatatt tcttcttgca ggtctggcta ttttagtnnc cacagcatgg 250
tatggcaata gnatnnttcg nggnttctat gaccctatga cccagtcaa 300
tgccaggtac gaatttggtc aggtctctct cactggctgg gctgctgctt 350
ctctctgcct tctgggaggt gccctacttt gctgttctctg tccccgaa 398

<210> 42
<211> 437
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 97
<223> unknown base

<400> 42
aggtagtcct taaaaaaaaag tctcctctct gtacccttct tcaccaatc 50
tacaactagg ttttttgga ggaattttat tattagntac caaacanggt 100
aacatcttta catgccagat tccaaagata ccctagaaga gccagagggt 150
tgcacttcct ctctctcact ttgcattccc tcctaagaaa tacttgcccc 200
taactcaaag ggcagaagga gtccagggtc ctttcagcat taaaattctc 250
tatagttttc tgggagaggc acatgttctg agtgtgagga gaactgttct 300
ggttattgtt tataaattgt tttcatcttc tatttcttat aacagattat 350
aaatttatgt tttctgatgc ttcatactat tatgaggatt tggttggcaa 400
attatcttac aataaccacc catatattca tgcattgg 437

<210> 43
<211> 499
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 81, 93, 150, 340
<223> unknown base

<400> 43
ccaccaagag cctgaaggca gtcnctgtgt tccccttcg acctggcaga 50

cgccctagcc ctctgtgatt tcataatgct ggaagtatgc ttttttaaaa 50
 agtttaaatt cttgcccaat tttactgtag cggaataaaa tacatgctag 100
 tattctgaga gtnttatgaa actagacata aaacaagtta aaattaatgg 150
 ggaaatggct agatgtccat gactgtcaga gtcagtacat tgtcagtatc 200
 ctccagaaat gtcactgata ttaagcaagc tgagttatth ccggcgttga 250
 atccatgaag aatgataaat gttttctcat catacttatt cttagaatgt 300
 tgtgatactt ttgatatttc agttactcgt ctttaaaagg ggagtgcctt 350
 tccctgggccc ttgcctaaga gaagaaagaa agactatatt aagacagaaa 400
 acatggacat tttaaagaga cgaatacact gctatgtgaa ataccagttt 450
 tactcagtaa actccctcga 470

<210> 48
 <211> 543
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 46, 65-66, 80, 144
 <223> unknown base

<400> 48
 gcaggcccaa agaagaagct caggetgaaa tgaaccgtac cgctnccga 50
 gggagaaaaga attcnnggcc aaggaagctn cggcattggg atcccttggc 100
 agttgcagcc actgaagtgg agaaggagac ccaggagaag atgncctcct 150
 ccagacatac ttccggcaga acgggatgaa gtctggacaa cctcttggct 200
 tttgtctgtg acattcggcc agaatccctg aaaactaccg cataaatgga 250
 tagaagagag aagcacctgt gctgtggagt ggcatttttag atgccctcac 300
 gaatatgagc ttagcacagc tctagttaca tcttatgata tggcattaaa 350
 ttatttccat atattatata ataggtcctt ccactttttg gagagtagca 400
 aatctagctt ttttgtacag acttagaaat tatctaaaga tttcatcttt 450
 ttacctcata tttcttagga atttaatggg tatatgttgt ctttttttcc 500
 tatgtctttt ggctcaagca acatgtatat cagtgttgac cga 543

<210> 49
 <211> 485
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 14, 484
 <223> unknown base

<400> 49

cggacgcttg ggngcgcca gggccagcg ctagtcggtc tggtaagtgc 50
ctgatgccga gtccgtctc tcgggtcttt tcttggtccc aggcaaagcg 100
gagcggagat cctcaaacgg cctagtgttt cgcgcttccg gagaaaatca 150
gcggtctaata taattcctct gggttggtga agcagttacc aagaatcttc 200
aaccctttcc caaaaagct aattgagtac acgttcctgt tgagtacacg 250
ttcctgttga ttacaaaag gtgcaggtat gagcaggtct gaagactaac 300
atattgtgaa gttgtaaaac agaaaacctg ttagaaatgt ggtgggtttca 350
gcaaggcctc agtttccttc cttcagccct tgtaatttgg acatctgctg 400
ctttcatatt ttcatacatt actgcagtaa cactccacca tatagaccgc 450
gctttacctt atatcagtga cactggtaca gtanc 485

<210> 50
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 255, 319-334
<223> unknown base

<400> 50
catgggtggtg cgcaactgta gtcccaggta cttgagaggc tgaggtggga 50
ggatcatctt aaccccgagg agatggaggc taaaatgagc tgtgttcaca 100
ccactgtacc ccagcctggg caacagaata agacgctgtt tcaaacaaaa 150
atgtgtaact caaaaacagc aaaatgctta gttcttttga aatgcaacat 200
tttaggctac tggtttatttg ccaatagaac ttttttttct ctctctctcc 250
ttatntgtaa acttagctat atatgtttct cactcttggg tctgtgtact 300
tcaaatctt ttagaaatnn nnnnnnnnnn nnnnaaaaaa aaaaatggaa 350
taatacaaaa ttatactaag attcattcat gttatttttt gtggctgcag 400
tgcattcatt tccactatat agtatttcat tgtctgatgt accagaattt 450
atccactctc tttttgatgc atgtttggat ttgcagtctt ttgctttatg 500
aaaagtgtctg ctgtaaaaat tatta 525

<210> 51
<211> 150
<212> DNA
<213> Homo Sapien

<400> 51
tttttttttt ttttttttgg ttgttggtgt tgtagtagtc tgggtgctggc 50
cacatttaag tcttaaaaat ttttaaatgt tgttggtgat gttttagtagc 100
agccctgttg ttgaaatcat ggctttatct attttattta ttttcgaacc 150

<210> 52
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 43, 133, 162
<223> unknown base

<400> 52
tttaatagtt attcgtcttc tgttgatatag ncatttaagt tgnttatatg 50
tttctgttat taaccctttg tcccacgtat gatttgcaaa tattttctcc 100
catttttttt cagttgtctc attttgttga ttntatcaga ttccatgaag 150
cagcttttta anttcaagaa aaacgaatc 179

<210> 53
<211> 324
<212> DNA
<213> Homo Sapien

<400> 53
cggaagtccc ttgaggagcg tcagaagcgg cttccctacg tcccagagcc 50
ctattaccog gaatctggat gggaccgctc cgaggagctgt ttggcaaaga 100
tgaacagcag agaatttcaa aggaccttgc taatatctgt aagacggcag 150
ctacagcagg catcattggc tgggtgtatg gggaataacc agcttttatt 200
catgctaaac aacaatacat tgagcagagc caggcagaaa tttatcataa 250
ccggtttgat gctgtgcaat ctgcacatcg tgetgccaca cgaggcttca 300
ttcgttcatg gctggcgccg aacc 324

<210> 54
<211> 391
<212> DNA
<213> Homo Sapien

<400> 54
cccactcaga tctactgaaa ctgaaaacct gggagcaggg cccagcaatc 50
aagagttttt aacaaacctt cctggtcatt ttgatgcaca cgcaagtttg 100
agaacctgtg cccttttagga ggatttcctt ttcttacta aaagccccct 150
gaaagatgcc tccagggat gctctgtgc cctactgcc actgctgett 200
tcctgtttcc taggaatccc ctttatgaag taacctacct ccagaaagat 250
ttcttaccta ccttgaaagg atcttggtt ctcacaagg ttactccatc 300
ctctgagcag ttatttccga ttctactttt gaatggtttc ttttcagatc 350
ttcctcagtg ctttctcttt ctggctaccc ctcaagcccg a 391

<210> 55
<211> 280

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<212> DNA
<213> Homo Sapien

<400> 55
atatatatat aaatatagaa atatatatat agaaatatat atatctct 50
ctccatatcc aaaagcaaga ttacaaattt cagttgaggg taatagcact 100
taaagtagga acagagattc tttatgtgtt agcataattc ttttttatta 150
caattctgtt actaaagaat caggtgtcat taaagtgaa catggttacc 200
ttcaccttct gcacagcagt ttttcatata cttgaagaca tttaatcccc 250
ttcccatcc aacttaattc tttccagcga 280

<210> 56
<211> 485
<212> DNA
<213> Homo Sapien

<400> 56
cggacgcgtg ggcggacgcg tgggtggcct tagagtagtt ttttgagcat 50
ttattgtgct tgggtgttctc tgaacttcct tagatctgtg gtttggtgtc 100
tgacattaat ttggataaat tttcagtcct tgttggttta aatatttctt 150
ctcttccttt cttctcctct tgggtactttc atgtgtttat attacacctt 200
ttgtacctgt cccagagtcc ttgggtatta tcttctgttt ttttttgggc 250
cttttttttt tccctttggg tttcagtttg tattgatata tccttaagct 300
cagagattat tttttttttc agcgggtgtcc actctcctaa tgagcccatc 350
agtggcattc ttcatttctg tcaccatgct ttgctctctg gcacttcttt 400
tcattttttt cttagaattc ctatctcct gctcatgctg cccacctgtt 450
cctgcaagct gctactttc tccattagag tcttt 485

<210> 57
<211> 260
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42, 53, 93
<223> unknown base

<400> 57
tggtgtcttt cccaccacag ccngagagt cagtcatttt tncaaagaag 50
ccntgggtgg ctttgtggag aatgatatat gttattatta ttntccgcag 100
ccaacatgac cgctcctctg gtgtctttcc caccacagcc cgagagtcag 150
tcatttttca aagaagcctg gttggctttg tggagaatga tatatgttat 200
tattattttt tgttttgta tgtgtgttt ttttagacagt ctgctcttt 250
gcccagccga 260

<210> 58
<211> 344
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 66, 76, 92, 148, 174, 178
<223> unknown base

<400> 58
ggagtaaaaa gactgtnaaa catttttttt taaaaaatta tttttacatt 50
acgacaatat atttanggat gtgttnagat caaaaattaa anttctgtgt 100
cccagatcta ctttcaaagt gagattttca cttgtcagct taaatttntg 150
actagaacta acatttgtgt attnttgngc ttagtcggaa tacaaatttc 200
acagtggatt tttgaagttt gtccttaaatt tggataaaat caagtgatta 250
aagttactaa agagataaaa atggtaattt ccatttttaa aagtaatttg 300
gttgtgttta tagttatttg tacaagtatt tatcacagcg aacc 344

<210> 59
<211> 495
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 58, 130, 234, 314, 364, 427, 450, 461, 476
<223> unknown base

<400> 59
agcaatgccc tgccccagct ggaggattaa ttccatgnt ggggacaaca 50
ttgtgacncc ccaggccatg tacggggggc tgtggatgct ctgcgtgtcg 100
cagagcaccg ggcagatcca gtgcaaagtn tttgactcct tgctgaattt 150
gagcagcaca ttgcaagcaa cccgtgcctt gatggtgggt ggcaccttcc 200
tgggagtgat agcaatcttt gtggccaccg tggnaatgaa gtgtatgaag 250
tgcttggaag acgatgaggt gcagaagatg aggatggctg tcattggggg 300
cgcgatattt cttnttgcag gtctggctat tttagttgcc acagcatggg 350
atggcaatag aatngttcaa gaattttatg accctatgac ccagtcatt 400
gccaggtacg aatttggcca ggctttnttc actggctggg ctgctgcttn 450
tttctgcctt ntgggaggtg ccctantttg ctgttctctg gaacc 495

<210> 60
<211> 266
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 56, 116, 190, 210
<223> unknown base

<400> 60
aacttgtagc aggcaagtgt ccagagtttt gctatanatt cattatggaa 50
ggtttnacct tattgaaatg acagttcccc accttttagca ttttatattg 100
ttccattaac tgtcanacaa acattcctgc aaaatatcag ttcaggaacc 150
aaacttactt tccctgagat ggtaaccgtt tcacagcctn tcatattgct 200
gcttcattan gtgatgaagt ctaaacacgt aaatgggtgac cagttaaaac 250
acacacctgc cgaacc 266

<210> 61
<211> 421
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3, 5, 22, 142, 147, 186, 198-200, 205, 260, 296, 306, 314
<223> unknown base

<400> 61
ccnanggggc cggttttttt gnatttttag tagagacggg gtttcacat 50
gcaagcccag ctggccacgt aggttttaaa gcaaggggcg tgaagaaggc 100
acagtgaggt atgtggctgt tctcgtggta gttcattcgg cntaaanaga 150
cctggcatta aatttcaaga aggatttggc atattntttt cttgaccnnn 200
ctctntaaag ggtaaaatat caatgttttag aatgacaaag atgaattatt 250
acaataaatn tgatgtacac agagtgaac atacacacat acacntaat 300
caaaangttg gggnaaaatg tatttggttt tgttcctttc atcctgtctg 350
tgttatgtgg gtggagatgg ttttcattct ttcattactg ttttgtttta 400
tcctttgtat ctgaacgaac c 421

<210> 62
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 37, 79, 91, 98, 155, 162, 170
<223> unknown base

<400> 62
agagacgggg tttcaccatg caagcccagc tggcnangta ggttttaaag 50
caaggggctg gaagaaggca cagtgaggna tgtggctgtt ntcgtgggag 100
ttcattcggc ctaaataagac ctggcattaa atttcaagaa ggatttggca 150
ttttntcttc tngacccttn tctttaaagg gtaaaatatt aatgtttaga 200

atgacaaaga tgaattatta caataaattt gatgtacaca gactgaaaca 250
 tacacacata caccctaatac aaaacgttgg ggaaaaatgt atttggtttt 300
 gttcctttca tctgtctgt gttatgtggg tggagatggt tttcattctt 350
 tcattactgt tttgttttat cctttgtatc tgaacgaacc 390

<210> 63
 <211> 448
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 25, 61, 77, 80, 93, 147, 175-176, 234
 <223> unknown base

<400> 63
 tcttttagaga tctttgactt gaccnaaggg tccgcaaagg gttcgggttt 50
 tttgtatttt nagtagagag gggtttnacn atgcaagcca agntggcaaa 100
 gtaggtttta aagcaagggg cgtgaagaag gaaacagtga ggaatgnggc 150
 tgttttcgtg gtagttcatt cggcnnaaat agacctggca ttaaatttca 200
 agaaggattt ggcatttttt tttcttgacc cttntcttta aagggtaaaa 250
 tattaatgtt tagaatgaca aagatgaatt attacaataa atttgatgta 300
 cacagactga aacatacaca catacaccct aatcaaaacg ttggggaaaa 350
 atgtatttgg ttttgttctt ttcacacctg ctgtgttatg tgggtggaga 400
 tgggttttcat tctttcatta ctgttttgtt ttatcctttg tatctgaa 448

<210> 64
 <211> 245
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 73, 114, 120, 122, 184, 205
 <223> unknown base

<400> 64
 gtgtgtgtgt gtgtgtgtgt gtgtatgtgt atatatatat acatatatat 50
 acacatatgt atgtatacct aantcctaaa gtggaacagt aagagtcatt 100
 atttatagat tatntgattn tntatgtgga aagagaaaag aatcatatta 150
 agtacttttg actgaacaat gacccccaaa attngtatga tgatgaagct 200
 ctctntaaat attttcttgc tttactggac tgattttaac ccgct 245

<210> 65
 <211> 381
 <212> DNA
 <213> Homo Sapien
 <220>

<221> unsure
 <222> 21, 59, 65, 80, 116, 155, 180, 188, 202, 223, 236, 246, 341, 361
 <223> unknown base

<400> 65
 agggatccag gttggttagag naatcccggc cggtttccca gagatgttta 50
 accagcacnt gcttntgaga ctctggtttt tgttccagca accctgggtg 100
 ggggggtcaga cttganacac tttcagggtg ggagtggacc caccacaggg 150
 cctgntgagg acagagcagc caggccgctn tggctaantt tgcagttggc 200
 antgggttgg ggaggaagag agntgatgag tgtggnttcc ctgagntggg 250
 gtttccctgc ttgtccagtt gtgagctgtc ctccgtgtta ccgaggtgt 300
 gcctagagag tggagatttt tgatgaaagg tgtgctcgt ntctgcgttc 350
 tatcttctct ntctccttg ttcctgcaa c 381

<210> 66
 <211> 321
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 28, 36, 144, 146, 161, 170, 205, 210, 213
 <223> unknown base

<400> 66
 acttaaaaat attggtgagt tctaaacnga tttttngtat atatcataca 50
 tagaaaatat taaatttttg ttctaaaaca accaaaaatg gagcatacat 100
 ttagagtggc atttgttgca tattattaaa caaatgaaac tgantntttt 150
 ttcatcctga ngcagattan atcccathtt aatctttttc ctctctcctt 200
 ttctnaaccn acntcagagt atcctgtaac agctgtccct atagttttca 250
 aggaaagtga taataatgag attacttctt ctttcatcgt ttattttttt 300
 gggaggatgg ggaaaccaca c 321

<210> 67
 <211> 123
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 53, 75, 100, 110
 <223> unknown base

<400> 67
 tcccctgaat attcaggagg gagaagcaat cgcaccagga cagagacggg 50
 ganatcccag gagcagggtg caggnttttag caatatccat cttgcggtan 100
 tccctccctn acaacaacca gac 123

<210> 68

<211> 521
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 30, 66, 73, 97, 116, 134, 182, 187, 262, 364, 432, 477, 507
 <223> unknown base

<400> 68
 aaatgaccta taaataagtt ggtttgggan attattattt ttttagcatt 50
 attttttaaaa tagatnatgg ttnatatatta attggaattc cataatntaa 100
 tgtactgata ggtaanttgt gtggaaattg tttngcagac ataaattact 150
 aaataaatgt tctgttttca gatagtttag tntttgngac attaagtatt 200
 gggacagatt gttttgactc caattaatat tctgaaattt ttctcctttc 250
 attacctacc tntccattat gcctcagttg taacggtgag taaaactatt 300
 tttgtgtctc atactttctt tatctttaaa ctttgtttta cacagtaatt 350
 attttcaacc attntttgct aactgcacct cgctgcatgg ttcttctctg 400
 tgtcccacca accagccgcc acattttacc anatgttccc agtgttcatg 450
 ggccctttcc acccttgtct caaaatntcc ctattgattt tattttgctt 500
 ttgttantcc cttcaaacgc c 521

<210> 69
 <211> 382
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 30, 155, 170
 <223> unknown base

<400> 69
 agagacgggg tttcaccatg caagcccagn tggccaagta ggttttaag 50
 caaggggctg gaagaaggca cagtgagga tgtggctgtt ctctggttag 100
 ttcattcggc ctaaataagac ctggcattaa atttcaagaa ggatttggca 150
 tttntttttc ttgaccttn tctttaaagg gtaaaatatt aatgtttaga 200
 atgacaaaga tgaattatta caataaattt gatgtacaca gactgaaaca 250
 cacacacata caccctaac aaaacgttgg ggaaaaatgt atttggtttt 300
 gttcctttca tctgtctgt gttatgtggg tggagatggg tttcattctt 350
 tcattactgt tttgttttat cctttgtatc tg 382

<210> 70
 <211> 405
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 33, 43, 58, 98, 110, 122, 125, 191, 226, 232, 234, 251, 321
 <223> unknown base

<400> 70
 acaccaatgc agtgaggctg gggattcccc aantggatcc atngcaccag 50
 gttcaagnta acccccaagg cagttttttc ttccaaaaca ttaacagnta 100
 agtgtttgn tgggccaatt tntcntacca agtttaaatt aaccaacatt 150
 ttttttttaa aacccaaaaca caaggaagac taaccacgtg nttccaggaa 200
 tggcctgtat ttaccaacc actttntata cntnttttcc aacccaaaagt 250
 nttaatatgg gaatatccct caccacgatc ctaatactgt cagtagctgt 300
 cctgctgtcc acagcagccc ntccgagctg cgtgagtggt tatcagtttt 350
 tgcactacag aggggagatg caacaatact ttacttacca tactcatata 400
 gaaag 405

<210> 71
 <211> 526
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 26, 44, 54, 143, 244, 351, 504
 <223> unknown base

<400> 71
 gttcaggacc aagcggtaag aaggcntgag gacccaggcc ccantggagc 50
 agtntgtcct tatgccgaat caaggcggaa catgggtgaa agacgagtaa 100
 ggggcaaatc acagaatatt ccacagcgcc ctccagagtt acntggggag 150
 gaccgaggcc acacgccact gcccccgagg ccagagtgtg agtaaaggat 200
 aaccaggact cgctgggaga gatggattct gtcctcagca acantccaca 250
 gcagaaaggg gtagcaggtg ccccttttta tcageggtaa aaatgcattt 300
 acaacctttc atttaaccga aaaacacaga ccgctttaac ctttttattt 350
 ntgtccccc ctgcatgaac atttatacaa ttttaaaaat acttcctcat 400
 aggatgcttt ggcccttcat ctatttaatc atagctacat acctattttt 450
 tataagtagc agtacacatt caaaggggta ttcctagctc aatgcttggt 500
 gttntagtgc aacttttatt ctgcag 526

<210> 72
 <211> 366
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 24, 274, 348
<223> unknown base

<400> 72
tagaaataac ccttttcctt attngatttt agtcatcaaa catagtatga 50
tatgggaaaa gtcagccatt taccagaaat tatcttattt tgatttttaa 100
aactcatttc tatatgtagt tattgtaatg tctatttttt tagacttaa 150
gatttataga agactatagt tatctgattt gttatttggc attttttcat 200
tctgtaaatc tttgcttatg gcacattgtg ctctctgttt tccatggttt 250
tattcattta tctcctccta tttngagggg acaacatggg tagttaaatc 300
tttgtcaata gtattggaga taacactaac tgctattatc ataacatntt 350
cattttttact gcatgc 366

<210> 73
<211> 634
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 10, 59, 62
<223> unknown base

<400> 73
ggactgaatn cacttgtaat ggtgaccact gaaagctgca gagggacagt 50
aggatatttna tnaaatgcct tatatggcat tctatatgaa gaacctctga 100
acccaaagta tattattttag aaagaaagat aaagagatat aagcaaagta 150
agaatatatc ttaaaagtat cttataaacc attaacttat agtggtaaga 200
taaaccctct atcagcagga aaatacctgc atatgcatac ataaggaaga 250
ctgtgcacct aatctagggg tacataataa ggtggactct gtattagtag 300
taagtatttt tataaaataa tacttagaac aaattatata agataattat 350
aaatattaag atcttttatat tgcattgctt ctgacttaa aaatgaataa 400
ataaatgggg tcttgctatg ttaccagggc tggaatgcag tggctattta 450
caggcacaat catagtgcac tacagcccca aactcctggg ctcgagcaat 500
cctgttgccc agcctcccag gtagctggga ctatatataa gcaggcacca 550
ctgtgcctgg ctgcttctga ctaatccaag taagaataat aaatctatga 600
caaagttata cacaatctcc taccctacc tcag 634

<210> 74
<211> 493
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 31, 42, 60, 114
<223> unknown base

<400> 74
atggaaccca gttggaaacc actcttcacg nttatattatc cnggggaact 50
tcccccaacn tagccaaggc ttcgggttag ttctcactcc aaaggtggga 100
actggaccat gggnacactt ggacacggat ggggaactca cacaccgggc 150
ctgtcttggg gtggcggttag ggcgtagcga tagcatagga gatacaccta 200
atgtaatgac gagttatggg tgcagcacac caaatggcac tgtatacgta 250
tgtaacaaac ctgcacttgt gcacatgtac tctagaactt aaagtataat 300
ataaaaattt taaaaatttt aaaaaataa aaaaatcact gggctaaagt 350
aaataagtat tttactgggt ctaagattgt ttttcagaga gaaaaacaat 400
agaagtgtag aagcaattcg ataaagaaag gagtcttttc aacaaatgtt 450
gtgcaacag tcaaatgtct gtatgcaaaa aaatgaacct cca 493

<210> 75
<211> 255
<212> DNA
<213> Homo Sapien

<400> 75
tggaaaaaaa aaaaaaagc cccttttcag tttgtgccac tgtgtatggt 50
ccgtgtagat tgatgcagat tttctgaaat gaaatgtttg tttagacgag 100
atcataccgg taaagcagga atgacaaagc ttgcttttct ggtatgttct 150
aggtgtattg tgacttttac tgttatatta attgccata taagtaaata 200
tagattatat atgtatagt tttcaciaag cttagacctt taccttcag 250
ccacc 255

<210> 76
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 47, 56, 66, 144, 163, 169, 294, 367, 395, 583
<223> unknown base

<400> 76
tttagggttc cttgacttgn accaagggtt cggggaaatt taaaggntta 50
aggaanggga ggaaangttt cttaaatttg gaattaacag taataatttt 100
tggaatttcc aataaaattg gcaaaagatt gggaaatttt ggangaataa 150
gggaaacaga tanttttcng ggtattcagg taaagtttaa aaaaggtttt 200
aaaagagagt ttttctaaca ttttgaaaag caacatgaaa aatgaaaaca 250
gttttaacag atatacaata tggatgactt atatacaaat gacnttaaaa 300

tatattaaat tcattatagt agttatattt aagtaaaata tgatgaaatt 350
 taatagagat tcactentcc caaaagcacc ttcatggaag attcntcatt 400
 aacaggcagt ccttttagtat gctgatttat acaaaatgct gaaaagaaga 450
 gaaatacccc aagttcttga aaaaaaattt tttgatatga ctactctaac 500
 agtaataact ataaatctca ctttaaataa tttaaaacaa attaaagtga 550
 tatatgagtt aaatgaccaa gcagacttga ttntaggaat gttaaggaat 600
 gttcattatt tgttttggat aatgaag 627

<210> 77
 <211> 507
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 58, 60, 98, 107, 116, 240, 276, 432, 500, 502
 <223> unknown base

<400> 77
 ttgaaaagt ttaaaaggga ggaagtgggt tttatgattt ggccgtttcc 50
 gggtgcntn cagagagttc ctgccttcc ctgcccttga aggtgacntg 100
 tggcccnttt gggtgntgat ggacctgtgt tcccaccctg gttcaaaaag 150
 caaagaaaag ggagtggat cagaaaatgg aagaagagag taaagaagac 200
 agtgctggct tgagagaagc agtggcttca ggtaaaaggn tactgccagc 250
 gatatggacg ggagacagag aaatgntaga agagggcggt tccccaacaa 300
 agggccccacc cacaagcctg gacacctgtg gccctaaatg agaacaggca 350
 ttctgtttt tgcacccaaa aagtggtttt ttggtatgcc acacccccta 400
 tcctataccc atataaacc tgaacccag gntccagctc agaccagcag 450
 agggaggagac gagacaagca gacaatgcag aacagtgcag cagagagaan 500
 tngagag 507

<210> 78
 <211> 478
 <212> DNA
 <213> Homo Sapien

<400> 78
 ccacggtgtc cgttcttcgc ccggcggcag ctgtccccga ggcgggagga 50
 gcccagagggg cgcgagcccc gcatgaatca ttgtagtcaa tcattttcca 100
 gttctcagcc gttcagttgt gatcaaggga cacgtggttt ccgaactgcc 150
 agctcagaat aggaaaataa cttgggattt tatattggaa gacatggatc 200
 ttgctgccaa cgagatcagc atttatgaca aactttcaga gactgttgat 250

ttggtgagac agaccggcca tcagtgtggc atgtcagaga aggcaattga 300
 aaaattttatc agacagctgc tggaaaagaa tgaacctcag agaccccccc 350
 cgcagtatcc tctccttata gttgtgtata aggtttctgc aaccttggga 400
 ttaatcttgc tcaactgccta ctttgtgatt caacctttca gccatttagc 450
 acctgagcca gtgctttgtg gagtcac 478

<210> 79
 <211> 637
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 17, 54, 66, 113, 124, 160, 163, 165, 170, 179, 204, 259, 299,
 382, 384, 487, 634
 <223> unknown base

<400> 79
 gtttgcct ttttcngtt ttttttgac aaattcagta taccaagcaa 50
 catnaattcc agtttnggtg gattcccggg gtcttttggg atccttgact 100
 tgaccaaggg tcnggccctt ttctgttggg acgtttgtaa gttttgggca 150
 gtttccgggn gantngggan tcgggtttng ctttctgtgt tccattcgcc 200
 cggngcggtg gtgcaggttt tcgggctagt catgggtccc cgtttcggag 250
 actgcagant aaaccagtca ttacttggtt caagagcgtt ctgctaant 300
 acacttttat tttctggatc actggcggtta tccttcttgc agttggcatt 350
 tggggcaagg tgagcctgga gaattacttt tntnttttaa atgagaaggc 400
 caccaatgtc ccttctgtgc tcattgctac tggtagcgtc attattcttt 450
 tgggcacctt tgggtgtttt gctacctgcc gagcttntgc atggatgcta 500
 aaactgtatg caatgtttct gactctcgtt tttttggtcg aactggtcgc 550
 tgccatcgta ggatttggtt tcagacatga gattaagaac agctttaaga 600
 ataattatga gaaggctttg aagcagtata actntac 637

<210> 80
 <211> 294
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 18, 42, 105, 198, 205, 266
 <223> unknown base

<400> 80
 ggcggatatc tttttgcnag ttgcaattgg gggcaaagggt gnccctggag 50
 aataattttt ttttttaaaa tgagaaggcc accaagtccc cttggtgatc 100
 attgntactg gtaccgtcat ttttttttg ggcaccttg gttgttttgc 150

acagtttgca aaagatgtcc agatgggttc ttctcaaag agacgtcatc 600
 taaagcacccc tgtagaaaac acacaaattg cagtgtcttt ggtctcctgc 650
 taactcagaa aggaaatgca 670

<210> 83
 <211> 427
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 131, 150, 225, 352
 <223> unknown base

<400> 83
 aggctttcat tccccaccta nggagttaat tttttggatt aaaagggttt 50
 tagaactttt tggtgatggt tgggtttatt aaggcccgga agaaacattc 100
 agattcgatt gaggaccagg aaatggcctt ntagggaaga gaaggcattn 150
 tgctagatgg ctttttaaaaa tttttccgcc agagtcactt gtctcattaa 200
 caacagtttt tgtcttagaa gtctntctgt gattttataa actagcatga 250
 ttttgttatg aatgcatgct gctctgggtc tctaataagc ccaacatgca 300
 tttgcatcat gtcggcaata agcacttttt ttgctgtggt aacaatgtca 350
 tnttcattgt tgtgtgcctg tgttttgact gtgacctgtc acatgaggtt 400
 ggggtgtggaa ttttccactt gtggcaa 427

<210> 84
 <211> 371
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 178
 <223> unknown base

<400> 84
 tttttggagc tgcaggaggg acggatggcg gaaccttcca gtccccttca 50
 gaggcgactg ccaactcgccc ggccgtgcct ggactcccta cagtgggtccc 100
 tactctctg actccctcgg cccctgggaa taggactgtg gacctcttcc 150
 cagtcttacc gatctgtgtc tgtgactnga ctcttgagc ctgcgatata 200
 aattgctgct ggcacagga ctgctatctt ctccatccga ggacagtttt 250
 ctccctctgc cttccaggca gcgtaaggct ttcaagctgg gtttgtgtag 300
 acaactctgt tatcttcagg agtaattccc cgtttccttc aagagttttc 350
 atggattcta atggaatcag g 371

<210> 85
 <211> 324

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 33, 167
<223> unknown base

<400> 85
caggaacctc tttaagaaag tntattgtta ctnaaaacac accactgtct 50
tctggatgct tttctggttg cctttgaagt tcatgcaggt ggaggacgtg 100
gacattgacg aagttcagtg tattctggct aacttgatat acatgggaca 150
cgtcaaaggc tacatcncgc atcagcatca gaagctggtg gtcagcaagc 200
agaacccatt tcctcccctg tccacgggtg gttgaaagta cacggagccc 250
cgaggacggg tgagcagttg tttctttcca ctttggttgt gctgatgaga 300
ccggtccggt actgcaacaa ggcg 324

<210> 86
<211> 514
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 38, 64, 358
<223> unknown base

<400> 86
caacattctg gaccactaan cctctcttgg caacactngt tggacagatc 50
ctgaagatat gggngaccta ttcctagaat gttgctgaag cttttctgga 100
tggtggtgaa tataattctg cacttcccct cctcagtgct cttgtttgct 150
ctgaaagata caaccttgca gtagtttggc ttcgtcatgc agaattgtta 200
aaggccttag gctatatgga gcgagctgct gaaagctatg gcaaggtggt 250
tgatctggcc ccactccatt tggatgcaag gatttcactt tctacccttc 300
agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 350
tatgatchag atacttttagc acaggatgca aatgctgcac agcaggaact 400
gaagttattg cttcatcggt ctactctgtt gttttcacaa ggcaaaatgt 450
atggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 500
gcaatgaatc gage 514

<210> 87
<211> 84
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23

<223> unknown base

<400> 87

aaatgtatgt atcatcagtt ggntacgttt tggttctatg ctaaactgtg 50

aaaaatcaga tgaattgata aaagagttcc ctgc 84

<210> 88

<211> 588

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 22, 53, 67, 91, 110, 195, 208, 424, 484, 487, 572

<223> unknown base

<400> 88

cgggtaactt agtgtttttg cnacaaggga aatttttttt tcagccaggg 50

ggngggggcc ctgtggnatc ataaaaaggt cctggcatgg ntaacagcca 100

ttttggccan tttgccggaa tttgtggttt ataaacttca gatggaagac 150

cagaaataac aagtgtgcat ttagcagaat tcccttctctg ccagntgatg 200

agacattntg gaagcatttt ctgactttaa aaatgaacat ttcggttctt 250

gtcctccccc tattttatttt tacatttctc tatgtgcaaa tgagaaaaac 300

actaagggttc agggagcaga ggtatagcct tttcaagctt gtttttgcca 350

taatggtagt ctcccttctg atgtgggcgc cctacaatat tgcatttttc 400

ctgtccactt tcaaagaaca cttntccctg agtgactgca agagcagcta 450

caatttggaac aaaagtgttc acatcactaa actnatngcc accaccact 500

gtgcatcaa ccctctcctg tatgcgtttc ttgatgggac atttagcaaa 550

tacctctgcc gctgtttcca tntgcgtagt aacacccc 588

<210> 89

<211> 521

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 66, 72

<223> unknown base

<400> 89

caggaatctc gaacactggc tcctcccctt agttcccgcc ctcgaggtca 50

gcaagcaggg ggagtntgag gncctggga cagctctgac tctggctgac 100

acacctgcct ctgggcaagg gtggtgcata tctgaggcgg acaggcacac 150

atggagaagt cagagtccac gccctctgct ccacccaggt agccaccgtc 200

tcaactcagc ccctcgtcac ttcacacttt ggcagtgggt tctgtccact 250

cagctgggtc agttggctct atcacatctc ccggcctcta gggttggctc 300

aggccacct cgtctctc atagggctgg ccatccaacc atatcactcc 350
 tctcacggct tttaaggata aagtttgaag ccttaaggat acgtcacagg 400
 tctctaggc cctgcttacc tcagcttctg cctagaagtt tatgccccag 450
 aaacagtgaa acctccatgt ttaccctcac acaacctgtg tgtctcaaca 500
 ccatactttt gctcatactg g 521

<210> 90
 <211> 613
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 120
 <223> unknown base

<400> 90
 tccgggcccc cggggacgct gtcctgaac ttgccccga gcngcccccg 50
 gcgtcccgcg cgtcccccg tccctggcaa tccccgactt cccaacgggc 100
 tccctgctgg cagccccgn agccgcacca tgttcgcct ctggttgctg 150
 ctggccgggc tctgcccct cctggcgctca agacccggtt ttcaaaattc 200
 acttctacag atcgtaattc cagagaaaat ccaaacaata caaatgacag 250
 ttcagaaata gaatatgaac aaatattccta tattattcca atagatgaga 300
 aactgtacac tgtgccacct taaacaaaga ttttttttag cagataattt 350
 tatgatctat ttgtacaatc caaggatcta tgaatactta ttcttcagat 400
 attcagactc aatgctacta tcaaggaaat attgaaggat atccagattc 450
 catggtcaca ctacgacgt gctctggact aagaggaata ctgcaatttg 500
 aaaatgtttc ttatggaatt gagcctctgg aatctgcagt tgaatttcag 550
 catgttcttt acaaatataa gaatgaagac aatgatattg caatttttat 600
 tgacagaagc ctg 613

<210> 91
 <211> 445
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 45, 68, 107, 113, 118, 405-406, 419
 <223> unknown base

<400> 91
 ttgagctcga tatccacag agcntccagc agaacgggtc ccttntacat 50
 cccacgttta ctccacnaa gagggttc ccaccagac ccccgcaaa 100
 agccctntac ccnccgntt gccacagtcc acatgtcccg gatgatcaac 150

aatacaagcg cagacgattt cagaaaacca agaaactgct gacaggagag 200
 acagaagcgg acccagaatg atcaagaggg ctgaggacta tgggcctgtg 250
 gaggtgatct cccattggca ccccaacatc accatcaaca tcgtggacga 300
 ccacacgccg tgggtgaagg gcagtgtgcc ccctcccctg gatcaatatg 350
 tgaagttcga cgccgtgagc ggtgactact atcccatcat ctacttcaat 400
 gactnntgga acctgcagna ggactagggc cccatcaacg agagc 445

<210> 92
 <211> 398
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 63, 74, 113, 138, 148, 158, 178, 208, 252, 259, 262, 302,
 317, 346, 369, 371, 379
 <223> unknown base

<400> 92
 ccctgctgtc ttggggccct ggtttggtgc cctttgccaa aanagcggta 50
 ggtcccctgg acngaaccaa aatnatcttc ccaagtgtct tcaaaaagat 100
 tttctgccaa ggnggccttc cgggtcgtat actacacnta cctgcganga 150
 gggatttntc agcttgtggg gcggaantc ggccaccatg gtgtgcgtgg 200
 tgccttange cgccatccag ttcagcgcac acgaggagta caagcgcac 250
 cngggcagnt antatggctt cgggtggagaa gccctgcccc cttggccttg 300
 cnttttcgcc ggcgcantgg ctggaacgac agccggttca ctgacntacc 350
 ccctggacct ggtcagagng nggatggcng taacccccgaa ggaaatgt 398

<210> 93
 <211> 117
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 34, 50, 57, 79, 113
 <223> unknown base

<400> 93
 aacttaatgc aaaggggtgtg agatgttccc ccnngctgta aaatgaaggn 50
 ctattgntat ttattgagct ttgtgggant ggtggaagca ggcccccatg 100
 gaccatgccc ccncct 117

<210> 94
 <211> 267
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
<222> 34, 40, 75, 127, 153, 176, 183, 221
<223> unknown base

<400> 94
ggcagccgcg gcatgtctat agcaactttt ttantaccan ccaagtttgt 50
agaacattat ccaatatgtg gactntcaca atcattggga ttggaccgga 100
taagttaata aatttggcct tatttgnttg gaagtgatta taccgaagga 150
atnccaactg tgggttgtgt aaccgnccat ggnaattcta caatgaattc 200
cctgggcatg gccctggaac ntctcctaaa attctcagaa tgggtggcatg 250
aagctcaaaa aaatcac 267

<210> 95
<211> 149
<212> DNA
<213> Homo Sapien

<400> 95
gggttttttt tttttggtct ggctcttttc atttagctta atgttttcaa 50
ggttcactta tgttgatca cgtatcagta ctttattttt tgtgtggcac 100
gtcatatgga taccacacaa cccgtttatc ttttcattaa ttatgggcg 149

<210> 96
<211> 141
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35
<223> unknown base

<400> 96
tttttttttt tttttttttt ttttgagacg gagtntcatt ctgtcgctcg 50
ggctggagtg cagtggcgcc atcttggtc actgcaacct ctgccgccag 100
gttcaagtga ttctcttgcc tcagcctcca gagtagccgg g 141

<210> 97
<211> 598
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 79, 82, 132, 146, 187, 317, 371, 380, 383, 386, 473, 503, 554
<223> unknown base

<400> 97
gtttttgtta cagtttttgc ccaccatggt tgcagttata atgatgagct 50
gcagtttttg gagaagattc aataaaaaant gntggaggat caagaagggt 100
ttgtgccccaa catgcaggtt gaaggtgttt tntatgtgaa tgatgntttg 150
gagaaattga tgtttgagga attaaggaat gcctgtngag gtggtggtgt 200

tggtggttcc tgccagccat gaaacagatt ggcaatgtgg cagccctgcc 250
 tggaattggt catcgattta ttgggcttcc tgatgtccat tcaggatatg 300
 ggtttgctat tgggaanatg gcagcctttg atatgaatga ccctgaagca 350
 gtagtatccc caggtggtgt ngggtttgan atnaantgtg gtgtccgctt 400
 gctaagaacc aatttagatg aaagtgatgt ccagcctgtg aaggagcaaa 450
 ttgccaagc tatgtttgac canattcctg ttgggggtggg gtcaaaaggt 500
 gtnatcccaa tgaatgcaa agaattggag gaggccttgg agatgggggt 550
 ggantggtcc ttaagagaag ggtatgcctg ggctgaagac aaggagcc 598

<210> 98
 <211> 518
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 28, 67, 111, 147, 152, 175, 219, 221, 224, 244, 259, 272, 285,
 307, 309, 326, 368, 395, 477
 <223> unknown base

<400> 98
 aattagaaaa ggaaggttta tttttaanat tcttcttcca attggtttaa 50
 tggtgaatta atgaagnngg taagcaaaac caggtgcttg cgttgagggt 100
 tttgcagtgg ntgggaggac cccggggttt ccccggtgtct tttccangaa 150
 tngttcggcc cttttggaat aaaanaccgc cgagccccga gggcccagag 200
 gagggccgaag tgcccagant nctncggggg tcccgcgcgc gagntttttt 250
 tttgccttng catttctcc tngggcggtt tgganatgcc aggaataaaa 300
 aggatantna ctgttaccat tttggnnttt tgttttccaa gccctgggaa 350
 tgcacaggca cagtgcanga atggctttga cctggattgc cagtnaggac 400
 agtgtttaga tattgatgaa tgccgaacca tccccgaggc ctgccgagga 450
 gaaatgatgt gtgttaacca aaatggnngg tatattatgca ttccccggac 500
 aaaccctgtg tattgagg 518

<210> 99
 <211> 439
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 39, 59, 104, 130, 146, 209, 221, 233, 248, 269, 284, 287, 290,
 305, 360, 380, 386
 <223> unknown base

<400> 99
 ataccaagca ggcctttggc atcatgaacg agctgcggnt cagccagcag 50

ctgtgtgang tcacactgca ggtcaagtac caggatgcac cggccgcccc 100
gttnatggcc cacaaggtagg tgctggcctn atccagccct gttttnaagg 150
ccatgttcac caacgggctg cgggagcagg gcatggaggt ggtgtccatt 200
gagggatatnc accccaaggt natggagcgc ctnattgaat ttgcctanac 250
ggcctccatt tccatgggng agaagtgtgt cctncangtn atgaacgggtg 300
ctgtnatgta ccagattgac agcgttgtcc gtgcctgcag tgaattcctg 350
gtgcagcagn tggaccccag caatgccatn ggcattngcca aatttgctga 400
gcagattggc tgtgtggagt tgcaccagcg tgcccggga 439

<210> 100

<211> 395

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 54, 74, 119, 170, 194, 215, 257, 285, 317, 328, 373

<223> unknown base

<400> 100

ttggcatatt ttttcccagc ttaattcaat tccagcattg tcatgcagca 50
cggnaatcct ttgattccac aganacatat cccagcatg cgcagttttt 100
ggatggcacc accagcagnt ttatccccct gtaccgatcc tcagaggaag 150
agaagagagt gacagttatn aaagccccgc attaccagc gatngggccc 200
gtggatgaat ccggnatccc cacagcaatt agaacgacag ttgaccggcc 250
caaggantgg tacaagacga tgtttaagca aattnacatg gtgcacaagc 300
cggatgatga cacaganatg tataatantc cttatacata caatgcaggt 350
ttgtacaacc caccctacag tgntcagtc caccctgctg caaag 395

<210> 101

<211> 326

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 28, 33, 82, 112, 144, 185, 190, 204, 215, 235, 238, 292

<223> unknown base

<400> 101

ccaatcgccc ggggcggtagg tgcaggtntc ggntagtcac ggggtccccg 50
tttcggagac tgcagactaa accagtcatt anttggtttca agagcgtttt 100
gctaatttac antttttattt tttggatcac tggcgttatc cttnttgag 150
ttggcatttg gggcaaggtag agcctggaga attanttttn ttttttaa 200
gagnaggcca ccaangtccc ctttgtgctc attgntantg gtaccgtcat 250

tatttttttg ggcacotttg gttgttttgc tacctgccga gnttttgcac 300
ggatgctaaa actgtatgca atgttt 326

<210> 102
<211> 336
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41, 127, 146, 178, 203, 220, 254, 267, 272, 320
<223> unknown base

<400> 102
tggtccctgg tggcagcgag gtgggcggcg gcggagggag ntggacccca 50
tggaagtccg cgggtgagtg agaccggcg cccacggtea atccccgcaa 100
atttcctggg cctccccga cggcctncct gcccttttgt ttttaantttt 150
tattaaaatg cttaggatac agattgantt ttttttgtaa atgactgttt 200
tanttttcct gaagtaggan atatatgcac tttgataaaa cagaatgaga 250
agtnataatt catgggnatt cntatacaag gtgctgatcc tgtgtttgga 300
gctgagctcc tcacagcagn ttttttcagc tattttt 336

<210> 103
<211> 355
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 107, 145, 150, 168, 174, 185, 239, 254, 285, 295
<223> unknown base

<400> 103
tgccgcgttc atttttttng ccatttggca cattatagca tttgatgagc 50
tgaagactga ttacaagaat cctatagacc agtgtaatac cctgaatccc 100
cttgtantcc cagagtacct tatccacgct tttttttctgt gtcangtttn 150
tttgtgcagc agagtggntt acantgggtt tcaanatgcc ccttttggca 200
tatcatattt ggaggtatat gagtagacca gtgatggang cccaggaat 250
ttangaccct acaaccatta tgaatgcaga tattntagca tattntcaga 300
aggaaggatg gtgcaaaata gctttttatt ttttagcatt tttttactac 350
ctata 355

<210> 104
<211> 453
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 43, 76, 166, 187, 203, 209, 251, 291, 326, 338, 341, 388, 398
<223> unknown base

<400> 104
cgggtgggaat ttagtttttc caggatgtgg ttgccccctc cgntgtgggg 50
ggaaaggggc cccagaacc gaccanaccg tggcaagaga cccagaacc 100
gaggacgaaa aattgtatga gaagaacca gattcccatg gttatgacaa 150
ggaccccggt ttggangttt ggaacatgcg aattgtnttc tttctttggc 200
gtntccatna tcctggctct tggcagcacc tttgtggcct atttgccctga 250
ntacaggatg aaagagtggc cccgccgga agctgagagg nttgtgaaat 300
accgagaggc caatggcctt cccatnatgg aatccaantg ntttgacccc 350
agcaagatcc agctgccaga ggatgagtga ccagttgnta agtggggntc 400
aagaagcacc gccttcccca cccctgcct gccattttga ctttttttca 450
gag 453

<210> 105
<211> 449
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 23, 39, 72, 75, 123, 153, 164, 191, 227, 233, 251, 254, 314, 341,
353, 356, 365, 379, 434
<223> unknown base

<400> 105
aacttcggtg aggggtgccgt tanctgctgt tcctgcagng attatgggga 50
tttttttcgg gggtttgtgc gntangaatt tgaggccgac gccatttgg 100
gttcagagag acgcaacaag aantttagga catggagAAC gaattttact 150
atngctaccc aagnttccag gaagtgcaag tgatggtttt ngTgggcttc 200
ggcttcctca tgactttcct gcagcgnTAC ggnttttagcg ccgtgggctt 250
naanttcctg ttggcagcct tcggcatcca gtgggcgctg ctcatgcagg 300
gctggttcca cttnttaca gaccgctaca ttgttgtggg ngTggagAAC 350
ctnatnaacg ctganttttg cgtggcctnt gtttgcgTgg cttttggggc 400
agttttgggt aaagtcagcc ccattcagct gctnatcatg acttttttc 449

<210> 106
<211> 394
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 30, 74, 87, 114, 132, 136, 246, 340, 345, 349, 376
<223> unknown base

<400> 106
 ggggaacttg ggaggaacat gcaggagtgn atttgttttg gtgggggttt 50
 tcctggcctg gttcaggcct gcctgagcc ctgggantgt ggggaaaagt 100
 atggtttcca gatngccgac tgtgcctacc gngacntaga atccgtgccg 150
 cctgggtccc ggccaatgtg aatacactga gcctgtcagc caaccggtgc 200
 caggcttgcc ggaggggtgcc ttcagggagg tgccctgct gcagtngctg 250
 tggctggcac acaatgagat ccgcacggtg gccgccggag ccctggcctt 300
 tttgagccat ttcaagagcc tggacctcag ccacaatttn atttntgant 350
 ttgcctggag cgacctgcac aacctngttg ctgtccattt tgag 394

<210> 107
 <211> 525
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 10, 23, 41, 71, 95, 158, 166, 196, 361, 367, 414, 499
 <223> unknown base

<400> 107
 cccaagggtg cgaaatttgg aangttcata ggttcttcaa ngtccttcat 50
 tccttggttag acaaattcaa natcaaccga cagttggagg tatanacaag 100
 cggagggacc ctgagagtgt ggctggggag tatgggcggc attcctttta 150
 caaaatgntt ggttanttca gcctggtcgg gtttttccgc ctgcantccc 200
 tgtaggagaga ttactaccag gccatcaagg tgctggagaa catcgaaactg 250
 aacaagaaga gtatgtattc ccgtgtgccg gaggccagg tcaccacata 300
 ctattatgtt gggtttgcat atttgatgat gcgttggttac caggatgccg 350
 tccgggtttt ngccaanac ctcctttaca tccagaggac caagagcatg 400
 ttccagagga ccangtaca gtatgagatg attaacaagc agaatgagca 450
 gatgcatgcg ctgctggcca ttgccctcac gatgtacccc atgcgtatng 500
 atgagagcat tcacctccag ctgcg 525

<210> 108
 <211> 498
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 12, 14, 135, 137, 165, 219, 309, 322, 334, 339, 341, 379, 386,
 405, 417, 423, 430, 466, 480
 <223> unknown base

<400> 108
 gacccatccc angngtccgg agatcatgag gatgtttttt aatggccggt 50

acatcctcct gctgatgggg ctgttttcag tgtacactgg cttcatttac 100
aacgatgctt ttcaaagtca gtcaacctgt tcggnntntgg gtggaacgtg 150
tcggccatgt acagntccag ccacccaccc gcagagcata agaagatggg 200
gctttggaac gacagcgtn gtagacacaa cagcattttg cagctggatc 250
caagcattcc tggagtgttc cgaggccctt atccccttgg cattgatcct 300
atttggaant tggccacaaa tngcctcact tttntaaant ntttcaaat 350
gaaaatgtcc gtgatttttag gaatcattna tatgantttt ggagtcattt 400
tgggnatatt taaccanttg canttcaggn agaagttcaa catttacctg 450
gtttccatcc cggaanttct tttcatgctn tgtatttttg gataccta 498

<210> 109
<211> 573
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 74, 110, 139, 142, 213, 233, 276, 292, 320, 348, 405, 413, 418,
430, 448, 469, 490, 492, 500, 511, 545, 552
<223> unknown base

<400> 109
taaggccttc aggtcccctt ccttacccca ggtttttcac agaatggatt 50
cccagcggga aattgcagag gaantgcggc tttaccaatc cacccttttt 100
caggatggtn taaaagattt cctggatgag aaaaaattna tngattgcac 150
cctaaaagca gggacaaaag ttttccttgc cacagattga ttttgtcagc 200
ttgtagtcct tanttcgggg agtacttttt atntgaaatt gatgaggcga 250
aaaaaaagga ggtagtgtta gacaangtgg atcctgctat anttgattta 300
atcatcaaat acctgtactn tgccagtatt gatctcaatg acggaaangt 350
gcaagatatt tttgcattgg ccagccgctt tcagatcccc tcagtgttta 400
ctgtntgcgt ttnttatntt cagaaaagan ttgctcctgg taactgtnta 450
gccatcctaa gattaggant tttttttgac tgcccgagan tngccatttn 500
tgcccgtgaa nttgtgtctg atcgttttgt acagatttgt aaggnaagg 550
antttatgca actgtttcca cag 573

<210> 110
<211> 530
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 58, 159, 163, 210, 224, 244, 278, 302, 351, 359, 361, 366, 395,
404, 415, 417, 454, 472, 481, 499
<223> unknown base

<400> 110
gcattatttg aatgcagcat ggcagctatt atcaccttaa ttgggagtga 50
tcccaggngg gggtctttat attcgttcat gtcgagtatt gatgctttct 100
gactggtaca cgatgcttta caacccaagt ccagattacg ttaccacagt 150
acactgtant cangaagcgt ttaccacta tataccattg tatttattta 200
ttacgcattn tgcttggtat taangatgct gctccgacct cttntggtga 250
agaagattgc atgtgggtta gggaaatntg atcgatttaa aagtatttat 300
gntgcacttt actttttccc aattttaacc gtgcttcagg cagttggtgg 350
nggcctttna naaaangcct tcccatacat tatattagtg ttatntttgg 400
ttantctggc tgtgnanatg tctgcttttg aaatagagaa ctgctatgat 450
tttntggtca gaaagaaaag anttattgtt nttttcagcc actggttant 500
tcatgcctat ggaataatth ccatttccag 530

<210> 111
<211> 356
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 24, 42, 87, 99, 101, 286, 303, 329
<223> unknown base

<400> 111
ggtcactgtg agcaggtggt attnacagcc tgcattgacc tncaggccag 50
ccctgggggtg ttccccgtca ctgtacagcc accgcantgt gttcctgana 100
ngtacagcaa cgccacgctt tgggtacaaga ttttcacaaac tgccagagat 150
gccaacacaaa aatacgccca agattacaat cctttctggt gttataaggg 200
ggccattgga aaagtttatc atgctttaa tcccaagctt acagtgattg 250
ttccagatga tgaccgttca ttaataaatt tgcattntcat gcacaccagt 300
tanttccttt ttgtgatggt gataacaang ttttgcctatg ctgttatcaa 350
gggcag 356

<210> 112
<211> 711
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 24, 46, 73, 91, 128, 134, 145, 151, 192, 205, 216, 218, 239, 356,
386, 409, 415, 448, 471, 496, 506, 562, 568, 599, 671, 675, 684,
698
<223> unknown base
<400> 112

aagggtccgg ttggttcatt taangtatat taaattgaaa gggttncctt 50
 cagtcattgg aacagtttgt atnattggga acaccaacc natgttagta 100
 ggatgggatg tgttacagtg tgtttaanac attntaaatt acagngcatg 150
 ngcttatgtc cggttggttat ttgttgagca gtaaatttag gnggaatatt 200
 tttntatatt tcctcnangg gataggcaag ctgtggggna gcacaggctt 250
 tggagcaagc agatttgatt gtgaccttat ataagtttca atttcctgt 300
 ctgtaattag atccccactt tattgggttg ttgtaaggat taaatgaagt 350
 aattnttgta aaacataatg actgatacaa agtagnaaat aagtaaattt 400
 ttaattttnt ttcanttttg caccagcata cagacatagt atgtttcntt 450
 ttgaccaaac agaacagaat nagatgtgta ataataaag agtganttag 500
 cagttntagt tatttaocta atagaaatga gtgcatatgt gtgccagaag 550
 acatgtatag gnatgttnat agcagcattg ctgtgatag cccaaaaant 600
 agaaacaccc acagatttaa caacagtaga atggattaat aaattgtggt 650
 atattcataa aatgcaattt nattuacaa cagnagcgaa cacagtantg 700
 gtacacacac c 711

<210> 113
 <211> 507
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 101, 263, 376, 397, 426
 <223> unknown base

<400> 113
 gctggaaata tggatgtcat ctacgagaaa ctgttttaag ccacagacaa 50
 ttaaaagacc tttaaactct ttggcttctg gtcaaggagc aagtgaagag 100
 nacacttttt acagttggct agaaggtctc tgtgtagaaa aaagagcatt 150
 ctacagactt atatctggcc tacatgcaag cattaatgtg catttgagtg 200
 caagatatct tttaacagag acctgggttag aaaagaaatg gggacacaa 250
 attacagaat ttnaacagcg atttgatgga attttgactg aaggagaagg 300
 tccaagaagg cttaagaact tgtattttct ctacttaata gaactaaggg 350
 ctttatccaa agtgttacca ttcttngagc gccagattt tcaactnttt 400
 actggaaata aaattcagga tgaggnaaac aaaatgttac ttttgaaat 450
 acttcatgaa atcaagtcac ttcttttgca ttttgatgag aattcatttt 500
 ttgctg 507

<210> 114

2057.0.032907

<211> 551
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 58, 61, 85, 149, 169, 204, 255, 261, 300, 317, 324, 326, 329,
354, 397, 535
<223> unknown base

<400> 114
ccttgaaaat tatggtgtgg ccggaaccaa anaactttgc tttattgggg 50
actgggcntt naagtttcca ggggcacctt ttgngccag ccccatgcag 100
gggatttttg gaagtgtgca ggtgcctgta tgggtcagta ccagaagtnt 150
tttggtgctt ttgaagtng aggcaaggcc tgggtgcca gcccggtgcc 200
cgcntggggt tcaagcggac cagttccatg gattccccag gaggtcccct 250
gccntcccc ntgttcaaag gaggggttgg cgggtgcagg gcaaccctn 300
gaaagcgggg tgtttntttt tttntngang ccttcgggt gaaacccttt 350
ttgntccata tgccctaaaa ttatttggga aggctgggga agtaggnttt 400
gggtccatgc ctaaatttgt accgttttat tctcaaggc ctatagcctg 450
tcaatccttg aagccttttt tgctgtccc tccgacctt gtccaccgtt 500
tattttattgc ccaatttatt gtttatacgg atgantggga ggcaatgcac 550
c 551

<210> 115
<211> 404
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 51, 65, 87, 97, 117, 158, 180, 201, 203, 237, 291, 300, 309,
348, 381
<223> unknown base

<400> 115
gcagagggtg agcggcagaa anataaaacc cttgaaagtg ccttccttg 50
ntccagccat catntcatc ctccttgggg togtcangtt catggtntcc 100
ttcattggtg tgctggngtc cctccctga caacctgtac cttttccaa 150
gcattcangt acatccttgg gatttgctn atcatggagc tcattggtgg 200
ngnggtggcc ttgaccttc ggaaccagac cattganttc ctgaacgaca 250
acatttgaag aggaattgag aactactatg atgatttga nttcaaaaan 300
atcatggant ttgttcagaa aaagttcaag tgctgtggcg gggagganta 350
ccgagattgg agcaagaatc agtaccacga ntgcagtgcc cctggacccc 400
tggc 404

<210> 116
<211> 274
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 123, 129, 173, 186, 224, 267
<223> unknown base

<400> 116
gtcatttccc ccgcttttat atcctgtaca caattttcat gaaaggattg 50
cagatgttat gggctgatgc caaaaagggt agaagaataa agacaaatat 100
gtggaagcac aatataaagt ttnatcaant tccataccgg gagatggagc 150
atttgagaca gttccgccaa gangtcacca agtgtntttt cctaggtatt 200
atttccattc caccttttgc caantacctg gtttttttgc taatgtacct 250
gtttcccagg caaatantga tcag 274

<210> 117
<211> 502
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 29, 44, 55, 86, 114, 117, 157, 167, 197, 207, 236, 261, 275, 292,
300, 302, 317, 341, 343, 366, 373, 446, 452, 481, 497
<223> unknown base

<400> 117
gggtggaatc ccaatttttg gggggaagnt ttccggaggt tcanttaagg 50
gaagnaatth caaatgaaa attcaaagta gtgttngccc agagttgatt 100
gtggtcagca tttnganata gccagagat acaggataag caaatacca 150
aaccttnaaa ttgtttngta aatgggatga tgatgaagag agaatanagg 200
gttcagngat cagtgaagc attggcagat aacatnaggc aacaaaaaag 250
tgacccatt naagaaattc ggganttagc agaaatcacc anttttgatn 300
gnagcaaaag aaatatnatt ggatattttg agcaaaagga ntnggacaac 350
tatagagttt ttgaangagt agngaattt ttgcatgatg actgtgcctt 400
tttttttgca tttggggatg tttcaaaacc ggaaagatat agtgnggaca 450
anataattta caaacacca gggcattttg ntccggatat ggtgtanttg 500
gg 502

<210> 118
<211> 236
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 34, 36, 93, 104, 147, 151
<223> unknown base

<400> 118
aaagcccaag ttaccagctg ttcaaaaaac agtngngatt tcagtttcac 50
gattgttgac ccggtgattt cccagtgct gaacattatg gtnattcaaa 100
cagnaacaga ccgacatata acattacatt gcctttcagt caatggntcg 150
ntgcccata attacacttt ttttgaaaac catgttgcca taccaccagg 200
tatttccaag tatgacaggg agcccgaacc ccttgc 236

<210> 119
<211> 204
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 33, 64, 129, 167, 172, 198
<223> unknown base

<400> 119
atatgcagag agactgggtg ntccgagctc cantcaggtg aaagaatttg 50
cggcaattgt tgangtgaaa ggagaatttc attacatttt ggatccaaag 100
caagcactga tgaagctcac cctaggtant gcaggcagtt tatttcccca 150
agcattgtac attttgnntg anttcatatg gagtttttta ttcaaaantt 200
cagc 204

<210> 120
<211> 438
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 65, 92, 121, 142, 154, 170, 293, 315, 323
<223> unknown base

<400> 120
gttattgtga actttgtgga gatgggaggt cntggggctg tgttccatgg 50
cgagctggat accangtttg tgtggaagtg ccccggtgtt gntatgccga 100
tgctgtccta gtggaaacaa ntccactgta attagattga tntatgcact 150
tttnttgctt gttggagtan gtgtagcttg tgtaatgttg ataccaggaa 200
tggaagaaca actgaataag attcctggat tttgtgagaa tgagaaaggt 250
gttgtccctt gtaacatttt gggtggctat aaagctgtat atngtttgtg 300
ctttggtttg gctangttct atnttcttct ctctttacta atgatcaaag 350
tgaagagtag cagtgatcct agagctgcag tgcacaatgg attttggttt 400
tttaaatttg ctgcagcaat tgcaattatt attggggc 438

<210> 121
<211> 229
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 58, 66, 71, 79, 92, 110, 116, 138, 162, 192, 207
<223> unknown base

<400> 121
tgagataag aggttacagc aaattacatg atgacctagg agagtttcca 50
tatggatngt ttgaanttgt ngctagtana aaatctttcc tntttttcac 100
tgacatgtn atttantgga ttcacagagg ccttcatnat agactggtat 150
ataagcgct anataaacct caccatattt ggagattcct antccatttg 200
caagtentgc ttttcaccct attgatggc 229

<210> 122
<211> 273
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 34, 198, 202, 218, 230
<223> unknown base

<400> 122
tgcgctggc ctgatgggtc antttttttt aaantttttt atcagtacaa 50
attatgggat aacatatgaa attttattat gtgtatgtaa tgcatagtga 100
taaagtcaag gtatttacgg tgtccataac ccaaatacaa tacatttttg 150
taactatagt caccctgctt ttttatcaaa cattgaattt attccttnta 200
tnttatttat gtgtgtantt ttttaacacan ttctcttcat ctcccttct 250
cctcccaatc acccttcccg tcc 273

<210> 123
<211> 376
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 61, 73, 130, 219, 343, 351
<223> unknown base

<400> 123
agaagggggg gtgaaagtgg ttgccagta atggccagaa accaaccacc 50
agaggccagg ntgaaagaca agntccgggt gtcctggggc tgacggggcca 100
accatgtggc aggtcccagg cccacccan tgcgccatcc gcctttgagc 150
tccacagtgg tccactaat gggaacctcc tttagggaga gtgatactgc 200

accttcaccc gtaggaatna tatttataac aatgtgtaat ggctgtagca 250
 aaaagccctt gtttttagat gtaaattggc aaagaaacaa gcgctttatt 300
 gttttgaata aaatagttca aatgagtcct gtatcattgt atntcctatt 350
 ntggattagt gccttttggg cgattg 376

<210> 124
 <211> 437
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 32, 53, 55, 69, 85, 124, 151, 175, 196, 225, 247, 253, 262, 266,
 275, 313, 316, 331, 334, 347, 349
 <223> unknown base

<400> 124
 atggaaaatt ttttttaggg ggggggtggtt cntgagcgaa ggtgggcgga 50
 cgnngngggg attttttntt ggccctgttc cttcngagcg ttccgcctgt 100
 gccgcctgg ccctacgga gtcnttagcc aggatggagg ctgttggtgaa 150
 nttgtaccaa gaggtgatga agcangcaga tccccggatc cagggntacc 200
 ctttgatggg gtcccccttg ctaangacct ccattttcct gacctangtg 250
 tantttgttt tntcanttgg gcctngcatc atggctaata ggaagccctt 300
 ccagctccgt ggnttnatga ttgtttacaa ntntcactg gtggcantnt 350
 ccctttacat tgtttatgag ttctgatgt cgggctggct gagcacctat 400
 acctggcgct gtgacctgt ggaatattcc aacagcc 437

<210> 125
 <211> 441
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 23, 177, 227, 251, 367, 370
 <223> unknown base

<400> 125
 aagtagggaa gtgtatttcc agntacagat ttgatcccggt tggagtggat 50
 atcacttcga aaggaaaaat gagagcaaga tatgtgaatt acatcaaaac 100
 atcagagggt gtcagactgc cctatcctct ccaaataaaa tcttcagggtc 150
 cacttccttac tttattaaaa ggggaatngtg gggctggaca gactttctaa 200
 tgaacccaat gggttatgat atggttnttc ctttattgat atttgtgctt 250
 ntgcctaaag tggtaaacac aagtgatcct gacatgagac gggaaatgga 300
 gcagtcaatg aatatgctga attccaacca tgagttgcct gatgtttctg 350
 agttcatgac aagactnttn tcttcaaaat catttggaat atttagcagc 400

ggcagcagta aaacaggcaa aagtggggct ggcaaaagga g 441

<210> 126

<211> 397

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 84, 86, 96, 101, 112, 153, 220, 225, 297

<223> unknown base

<400> 126

ctttccccct ggcggtgaga gtgcagagac gaagtgcgag atgagcatta 50

tgttcgcgga catctcctca tcgtttttat ctcnngtgc acggtntgtt 100

ngcagagggc anaacctggg tcttggttta caggacagac aagtacaaga 150

gantgaaggc agaagtggaa aaacagagta aaaaattgga aaagaagaag 200

gaaacaataa cagagtcagn tggtnagcaa cagaaaaaga aaatagagag 250

acaagaagag aaactgaaga ataacaacag agatttatca atgggtngaa 300

tgaatccat gtttgttatt ggcttttgtt ttactgccct aatgggaatg 350

ttcaattcca tatttgatgg tagagtgggtg gcaaagcttc cttttac 397

<210> 127

<211> 179

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 67, 70, 95, 114, 170, 179

<223> unknown base

<400> 127

atTTTTTTtag tatatccaca gagttgtgca accatcaatt ttagaacatt 50

ttcatcacia attttngngcn tgtaatagtt tcctagagct gttntttaac 100

gaagtaccac aagntgggtg gcttaagaca acagaaatgt attcctggcc 150

gggtgcagtg gtcacgcn gtaatccn 179

<210> 128

<211> 561

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 37, 57, 82, 119, 150, 174, 184, 202, 217, 225, 303, 332, 354,
375, 429, 443, 490, 509, 523, 527, 547

<223> unknown base

<400> 128

atttcccttc cttttttccc gccngtatt ttttttnaac ctttttccca 50

cctttgnttg ggtagccatg gggggagccg tngggggcaa tcagtcccat 100

tccatttctt tgttgtccnt tgggagccga gccgttccgc gcccgggtggn 150
ggcgggagcc caggagcctg ccnngcctgg ggangaagag tgcagttctt 200
cntggcggtg cacgatntga ttttntggag agatgtgaag aagactgggt 250
ttgttttttg caccacgctg atcatgctgc tttccctggc agctttcagt 300
gtnatcagtg tggtttttta cctcctcctg gnttttctct ctgtcaccat 350
cagnttcagg atttacaagt ccgtnatcca agctgtacag aagtcagaag 400
aaggccatcc attcaaagcc tacctggang tagacattaa ttntgtcctc 450
agaagctttc cataattaca tgaatgctgc catggtgcan atcaacaggg 500
ccctgaaant cattatttgt ctntttntgg tagaagattt ggttgantcc 550
ttgaagctgg c 561

<210> 129
<211> 526
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 57, 59, 68, 174, 185, 332, 343, 366, 369, 375, 388, 405, 465,
492
<223> unknown base

<400> 129
tgttcctcaa tccaatttcc ggattttaga atgcccgtaa aaaatttata 50
attttantnt caagaaanat tttaccaggg gcaattgtaa aggttttatt 100
aatttttaac ctttggcctt tttttttaag taaggcaatt aatataaatg 150
taaaatatac aatattaaca aacntgggtt ccagnttgta catttagtaa 200
atatttaata ttaattacga gttattgagg tttaaagtag gctgtgcatg 250
tgtaattata ttttattatg ttcagttttc catggcaatt gcctagtttt 300
taaagtttat tataatcctt atgtttgtga tnttttttca tantttatta 350
tttacaggag tccagntant tgctntttta gttcccantt tgatatttta 400
cctgntggat gaaaattttt ttgcctcagc aagttcagct tccaaagatt 450
ttcatgagtt tgcantccag aatttaatgc atattggacc tntgtatcca 500
catgctttca agacagtaat gggggc 526

<210> 130
<211> 429
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 267, 330
<223> unknown base

<400> 130
 aaataaattt ttcatcccat tatgcatttt gtttgtaa at gtaaatttta 50
 aaaatatggt taataacatt tcaacctgtt tattacaact taaaaggaat 100
 tcagtgaatt tgtttttatt ttttaacaag atttgtgaac tgaatatcat 150
 gaaccatggt ttgatacccc tttttcacgt tgtgccaacg gaatagggtg 200
 tttgatattt tttcatatgt taaggagatg cttcaaaatg tcaattgctt 250
 taaacttaaa ttacctntca agagaccaag gtacatttac ctcatgtgt 300
 atataatggt taatatgtgt cagagcattt tccagggttg cagttttatt 350
 tctataaagt atgggtatta tgttgctcag ttactcaa at ggtactgtat 400
 tgtttatatt tgtaccccaa ataacatcg 429

<210> 131
 <211> 372
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 126, 261, 347
 <223> unknown base

<400> 131
 ggggggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 50
 gccaggctga aagacaagct ccgggtgtcc aggggtgac gggccaacca 100
 tgtggcaggt cccaggcccc acccantgag ccatccgcct ttgagctcca 150
 cagtggctcc actaatggga acctccttta gggagagtga tactgcacct 200
 tcacccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 250
 gcccttgttt ntagatgtaa atgggtcaaag aaacaagcgc tttattgttt 300
 tgaataaaat agttcaa atgctctgtat cattgtatct cctattntgg 350
 attagtgcct tttggacgat tg 372

<210> 132
 <211> 252
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 33, 37, 58, 95, 154, 204
 <223> unknown base

<400> 132
 ggatatcttt ttccatccct ttattttcag tcnatgngtg tctttatagg 50
 tgaaatgngt ttcttgtggg caacagatca atgggtcttg ttttnacatc 100
 tattcagcca gtctatgtct tttgtttgga gagtttagtc gatttatggt 150

caangttatt attgataagt aatgatttct ccagttttt tttctggttg 200
tttngtggtc ttctcttctt tctttctttc tttctttctt tcccgctccc 250
ag 252

<210> 133
<211> 139
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 118
<223> unknown base

<400> 133
gtatgtacat gtgtatggtg tgtgcatgta ggtgtggtgt gcgtgtgcgt 50
ggtgtgngtg catgtgtatg tgtgtggcat gtatgtgtac ggtatgtata 100
tgtgtggtgt gtgtgcangt gtgtgtatgt gtgtttttg 139

<210> 134
<211> 366
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 127, 187, 366
<223> unknown base

<400> 134
ggggaaaaat atctgttaca aatttataat ttcaagacaa attgaatctt 50
attttataat acttttggaa ttccattaat aaggctaaaa tttgaggaat 100
ataaataatt ttcagcctta agacatntaa gtttggaggt ccttgctatt 150
caacagaata acaagaaaac ttcagaatgt atcactntcc tgaaaagaag 200
atattaataa gcccttttat ttatggttat agttttatct atagtctcaa 250
aattcctaaa gcaatgtctac aaccattgaa tttgccatat tttgtatcag 300
tgctgttaat ttgctgttgc ctcaagaaaa agtgcttttt ctccatggat 350
gaggctagac cctcgn 366

<210> 135
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 158
<223> unknown base

<400> 135
agggggttct tgacattttg ttcaaactct ngtaacaatc tgtcttttagc 50
tttattttnt gagaaactga gcaaactgt ttccattgcc ttcttagaag 100

ctttctggta gaagatctgg ttgactcctt gaagctggct gtcttcat 598

<210> 138

<211> 320

<212> DNA

<213> Homo Sapien

<400> 138

ccttagcaga catgcaaaag cttattcttg tgtgacttac tttctttaag 50
ctaataatat aaaaataaat atgtatctta aaaatctata ataaaacatt 100
agaaattaaa gatatgtgct ttttattttg cagatgagtt catttgcttt 150
tgtagatgtg ttttcagagc taggtacaga ggaatgtttg ctacctttag 200
cggtgaaaaa agaaagagag tcaagaattt tgttggattg tgtttgtgtg 250
tgcatatatt tgatatcatc attatatattg taatctttgg acttgtaac 300
atagcctgtt tattctactg 320

<210> 139

<211> 497

<212> DNA

<213> Homo Sapien

<400> 139

cggacgcgtg ggctgcttgc cgcctctttt ggatacctaa cattttacga 50
acatgttgag tcagaattgc ttcataccta ctcttctatc ttgggaactg 100
atattcttct tctcattgtc cgtctggctg tgtaaatggc tgtgaccctg 150
acagtaccag tagttatttt cccaatccgg agttctgtaa ctcacttggt 200
gtgtgcatca aaagatttca gttgggtggc tcatagtctc attacagtgt 250
ctatcttggc atttaccaat ttacttgtca tctttgtccc aactattagg 300
gatatctttg gttttattgg tgcactctgca gcttctatgt tgatttttat 350
tcttccttct gccttctata tcaagttggg gaagaaagaa cctatgaaat 400
ctgtacaaaa gattggggct ttgttcttcc tgtaagtgg tgtactgggtg 450
atgaccggaa gcatggcctt gattgttttg gattgggtac acaatgc 497

<210> 140

<211> 105

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 11

<223> unknown base

<400> 140

acttcaatgt ntacacatgg ccattgaaaa atacagagtt tacagaatta 50
tttcagagaa gtcattaaag aaacaaacat taacacaccc tgcagagtgg 100
gggag 105

<210> 141
<211> 473
<212> DNA
<213> Homo Sapien

<400> 141
tccccgctgc tgacgcttca tccccacac ctccagcccc agttacctgg 50
agctttctcag aaccactttt gccggtgcta aaacacaaga gggggtgaaa 100
gtggctgcc a gtaatggcca gaaaccaacc accagaggcc aggctgaaag 150
acaagctccg ggtgtccagg ggctgacggg ccaaccatgt ggcagggtccc 200
aggccccacc cactgcgcca tccgcctctg agctccacag tggteccact 250
aatgggaacc tcctctaggg agagtgatac tgcaccttca cccgtaggac 300
tcatatttat aacaatgtgt aatggctgta gcaaaaagcc cttgttttcta 350
gatgtaaatg gtcaaagaaa caagcgtctt attgttttga ataaaatagt 400
tcaaatgagt cctgtatcat tgtatctcct attctggatt agtgcctttt 450
ggacagtaga ctgttctgta aaa 473

<210> 142
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 60, 105, 110
<223> unknown base

<400> 142
tccatgtgaa ttttgcttaa tggaatgctt tatttaagca tttaggcaga 50
gttgacacan ttaaaggtag aaagcccaga ggaattggta gagcagcacc 100
gtgcntgccn tgaggcagtg gagtcagtag cgttgtcccc agggccttga 150
gtgcctggag gtgcttggcc tccagtagct gcctccatc ttttttaaaa 200
aaaggggggtg attctgaggc actgaagtgc ctcccagatg tggaggagtg 250
aagccaccat cgaggccaca ctcagcactc caggatccca gcgatgtcag 300
acactcttga gttgtcaaaa cgttaatttt cagtttttaa taatcagttt 350
atctaagaaa agggaaatttt aacttttcta ccttgagcca agccaatgaa 400
gggaaaatta attaaacttag taaatttgaa gtgcagctct gttagctcgt 450
acatgtgggt tcttatcctg atcctgtgcc ttaaagtagg aagggtgttc 500
caagttcaga ttaaaataga agcagctggc cgggtgcggt ggctcacgcc 550
tgtaatccca gcacttttggg aggccgag 578

<210> 143
<211> 1000

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 64
<223> unknown base

<400> 143
caagagtctc gctccagcct ggtgatagag caagactccg tctaaaaaaa 50
aaaccaggag tganaaaaat aagagtcatt gaacttcatt tttttaaaaa 100
agaatatcac tttgctgtcc tttcaaatat agcatttccc caattaggta 150
cctgtttatt gagattttat aatgtaggta aatttttaaat cagtttttaa 200
ttgataccta attaacctcg agctcttgtc ctctgcctt ttttcacttc 250
tttactcttg cagcattcct tcctagtacc ttctgtatgt acactacgtt 300
gatagccatg actggatggg atatggacag gacttccatt gctgtgctgg 350
gagtagcagc tggggctatc ttaggctggc cattcagtgc agctcttggt 400
ttaccattg cctttgatth gctggctcatg aaacacaggt ggaagagttt 450
ctttcattgg tcgctgatgg cctcatact atttctggtg cctgtggtgg 500
tcattgacag ctactattat gggaaagttg gtgattgcac cactcaacat 550
tgttttgtat aatgtcttta ctctcatgg acctgatctt tatggtacag 600
aaccctggta tttctattta attaatggat ttctcaattt caatgtagcc 650
tttgctttgg ctctcctagt cctaccactg acttctctta tggaatacct 700
gctgcagaga tttcatgttc agaatttagg ccaccogtat tggcttacct 750
tggctccaat gtataatttg tttataattt tcttcatoca gcctcacaaa 800
gatgagagat ttcttttccc tgtgtatcca cttatatgtc tctgtggcgc 850
tgtggctctc tctgcacttc agaaatgtta ccactttgtg tttcaacgat 900
atcgcttga gcactatact gtgacatcga attggctggc attaggaact 950
gtcttctgt ttgggctctt gtcattttct cgctctgtgg cactgttcag 1000

<210> 144
<211> 612
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 66, 73, 81, 91, 217, 318, 447
<223> unknown base

<400> 144
aattggtagt ccctgttctt ttcattggtt tctggctcgt cttatttgnt 50
cttcagattt actocntatt tcnagtactt ngagatcagc ntgcataacg 100

tgagagggttt cttttccttt ttctgacaag tattgcggaa tgttgagca 150
 actccttact ctcttttggg tttggtcttc acggtttctt ttgttgccct 200
 ggggtgttctc aacactntgc aagttttact tgcagggtta tgcagcttct 250
 atgaatgatc ctgccatgaa tcggggcatg acagaaggag taacgctgtt 300
 aatcctggca gtgcagantg ggctgataga actgcagggtt gttcatcggg 350
 cattcttgct cagtattatc cttttcattg tcgtagcttc tctctacag 400
 tctatgttag aaattgcaga tcttattgtt ttggcactgg gagcatntag 450
 agacaagagc ttgtggaaac acttccgtgc tgtaagcctt tgtttatatt 500
 tattggtatt ccctgcttat atggcttata tgatttgcca gtttttccac 550
 atggattttt ggcttcttat cattatttcc agcagcattc ttacctctct 600
 tcaggttctg gg 612

<210> 145
 <211> 439
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 116, 156, 247, 252, 277, 279, 292, 301, 314, 338, 356
 <223> unknown base

<400> 145
 aaaaaaaaa accaaaacca aaaaccagaa cgcttggtca agtttgcct 50
 gtctgtcca tggataggcc agacctttgg tccagaaatt cagtttttca 100
 ttgtgtctga catagnact ccataatgtt gggtccattc tcttttcttc 150
 ctcaanatca tgtgttttgt gggctcttgg tttgttttgt tttgttttgt 200
 tttgttttgt ttttggtaga gttggagtct tgctgtgttg cccaagntga 250
 tntccaattc ctgacctcaa acaggtntnt caccttggcc tnccaaagtg 300
 ntgggaattc agngtgaac cacctcacc agccaagntc acattttgaa 350
 tctaantttt tttttgaaac agtgtcttgc attgttgccc aggctggaat 400
 gcagtgggtgc catcatgggt cactgcagcc tcaacttcc 439

<210> 146
 <211> 479
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 142
 <223> unknown base
 <400> 146
 ggcagtctcc tagctgctct tacacactgc atagctgtgt gtgagtactc 50

ttttcatcca tcagtcagcc agggtttgca ggacagatcc ggcaagtgg 100
 gccctgtatg aggaatgctg caacggatct ggactgaacc cntcaaaaat 150
 aaagtgattg ctacagtcctc tttggatttc tgcgcgacat atgaaaccat 200
 accatggcat ggctggaacc caaccggta ccaaaaataa aggaaatgac 250
 cctgcaggac ctgcagcccc aaaacgatgc ggcttcctcg gacgacacag 300
 gccccggaca ttatgctgaa gaagacaact caggaagctg agcaaactct 350
 gctccagaca caaacaccat tcaactccaga taatctgttc cttgctatgc 400
 cctccgttgt acattgcaac actcacaggg tattggtttt tottattctc 450
 tcaactctgcc tgcaactcgt acctgctac 479

<210> 147
 <211> 276
 <212> DNA
 <213> Homo Sapien

<400> 147
 tttttttttt gtgttgtcta taggaattaa cttgggattg ttttgtgggt 50
 ttttgtttgt tttaaagtga aattgagaat cttttataag aaataaaaagc 100
 attattgggt gcctttgttt gtaaaccaaa aagtaataaa tgaatcccta 150
 tatttccatt atagtattta ttgtattttt atgttctgaa aattacccat 200
 ggaacaatat gcttaggatt acaggaagca gtccttactt acacttcttg 250
 tctgttttag gtgtacttgt taattc 276

<210> 148
 <211> 451
 <212> DNA
 <213> Homo Sapien

<400> 148
 gttgtatact aatcaaccat tctgcaacct gcttttctga tttaacttag 50
 aacaacctca ttcttggtga tagtacacct cacaccacta tattggcttg 100
 gtataataac tttccaactg gcttttgtct cagccatggg cagtttcttt 150
 tctgaccatc catctggcct cagggtcccc tggagtcttc ctttctccag 200
 cagtctttct ctgtctttgt atatctccag gcttttagcaa taagctcact 250
 ctatttttct ttttttgatt tcacttttta aattaaagta ttgtaaaact 300
 ggcttttttg tgcacagttt tgagaatttc agtacatgaa cacatttgtg 350
 ttcccaccac cacaatcaag acagagggcc gttttattgt ccccaaagct 400
 ccacatgcta tcttttcagg tctacttctt ttttactgtt tttgtaatca 450
 c 451

<210> 149
 <211> 268

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 167, 213
<223> unknown base

<400> 149
agaataatTT tttaaacaca aattcaccat gtttctctac taacttggaa 50
tgcttaatgt gttccattg tacctagaat aaatccaaac ttactttcca 100
gggtctgctc tccaagctgt acatgacctg gcccatagcc acctttctaa 150
actcgtcaca tccattntcc tcattgctca tgggtgctgtg gacagtctgg 200
ttcctttctg ttnttctcca ctaccaagct cattcacact gcccttttcc 250
caaggccctt ccctacac 268

<210> 150
<211> 749
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 72, 99, 114, 127, 132, 222, 373
<223> unknown base

<400> 150
gtagggttagg gtccttaaag gaacttactt tggatttatt ggcaaaatta 50
ttgtggggcac cttacccatt gngaaattat ttttagaggc ttgtaaaant 100
ttaaagttta gatnttattt gccttgntaa tntatttaac tttatggaaa 150
gtatttactg cttctgatca ggattttttg tttgctgtca aagtaaaagt 200
cactaccagt gtcactatTT gntatggaag ccacaaacct tgtagtcatt 250
tcttaattat tttctttctt ttatttttcc attcccacat tcccttctca 300
tcccctttta attcattagc aagtatgctg ccagttctgc ttagtccgtc 350
tctctccctc cactggtaaa ccntagccca aaccatcttc atctcttctc 400
tgtactaacg caagagcccc ttaactggta tccctccttc catttcttga 450
tctactaaaa tccatacgcc acatagtggc tagaataatt ttttaaacad 500
aaattcacca tgtttctcta ctaacttggga atgcttaatg tgttccatt 550
gtacctagaa taaatccaaa cttactttcc aggtgtctgt ctccaagctg 600
tacatgacct ggcccatagc cacctttcta aactcgtcac atccattctc 650
ctcattgctc atgggtgctgt ggacagtctg gttcctttct gttcttctcc 700
actaccaagc tcattcacac tgcccctttt ccaaggccct tccctacac 749

<210> 151
<211> 105

<212> DNA
<213> Homo Sapien

<400> 151
ttttgtcatt ttgaaatddd tttttttttc accagccctg aatdddtagtt 50
catccatgga taaactatta cttttcttat tttcttttaa ctatacaatt 100
aagac 105

<210> 152
<211> 631
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 77, 95, 135, 166, 178
<223> unknown base

<400> 152
tccttggaac attttintag ggatatttcc atttgacttt attagattaa 50
tgaaattggg aaacctggac gtatatntaa actatacttt ttgantatga 100
gcataacctt ttatttcctg tatttttagaa aaagngacca tgttgtgatg 150
gcaatcattg tgcttntgca taccagntg aatgtctgtg gaaactcagt 200
tattctttta aatagttatt atcagagata taattattta caaagtagtt 250
tttttgtttg taggtaaact attatagatt ttgctgttct cccaactggt 300
ttcttggtgt atattttgaa aatataaacc ttaaagtgtta gaacaaagaa 350
aacaaaagca aaacccgaaa accttaactg tgcttgtaaa catttaaaat 400
attdtttgta gtttctctca attgagtaag agaacctggc tttcccacag 450
caatgateca ggctttggta atacccccct ttatgtctct gtacttctgc 500
cattctaaag ttgatttatt gtttgttact tttagtgatt ttaagtgtc 550
aatgaagttc cttggctttc tcatggcttt tcatttccaa ctaaattacc 600
tagcctttct tttaatgtct tccaccctta c 631

<210> 153
<211> 522
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 44, 57, 65, 173, 183
<223> unknown base

<400> 153
tatttaaaagc aatcttagtg gtataccccg cccctttgcc ttanttaaga 50
ggagcantga aatgnatata cttgctgttc agtatttcca agtaccatt 100
tttatatagt agcttatttg accataagtc acacatcaaa aaaagattac 150

cccttagtgt atgtgtttta atnttagaaa atntggcata tgtactttat 200
 ttttgaaaag ggaagagatg ggtgtggggg ggcaatagca ttgtgccatt 250
 ttgtcataga atgtaaaaat tggttaactt tacaaatgtc agctagtttt 300
 gactactaat tgggggaaaat tttagataat ttttaaattc aaagttattt 350
 ataaaatgct agaatttggt ttaatttttt tgtattttga gccacttcac 400
 atgaagactc agttgcattt ttatcgaata catttttatc aacagttaaa 450
 gactatgggtg gtttttttca gagtttggct aagaatgttg ttaccatcct 500
 ctttgtttgt ggtacaatat tt 522

<210> 154
 <211> 632
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 36, 65, 94, 147, 152-153, 156, 179, 222
 <223> unknown base

<400> 154
 aatctattta aactttatgg aaagtattta actggnctct ggatcaggat 50
 ttttttttgt tgctntcaaa gtaaaagtca cttaccagtg tcantatttg 100
 gttatggaag ccaacaaaacc ttgtagtcac ttcttaatta tttttenttc 150
 tnntantttt ccattcccac attcccctnt catccccttt taattcatta 200
 gcaagtatgc tgccagttct gnttagtccg tctctctccc tccactggta 250
 aaccctagcc caaaccatct tcactctctt atctgtacta acgcaagagc 300
 cccttaactg gtatccctcc ttccatttct tgatctacta aaatccatac 350
 gccacatagt ggctagaata atttttttaa cacaaattca ccatgtttct 400
 ctactaactt ggaatgctta atgtgttccc attgtacctt gaataaatcc 450
 aaacttactt tccagggtct gctctccaag ctgtacatga cctggcccat 500
 agccaccttt ctaaaactcg cacatccatt ctctcattg ctcatggtgc 550
 tgtggacagt ctggttcctt tctgttcttc tccactacca agctcattca 600
 cactgcccct tttccaaggc ccttccctac ac 632

<210> 155
 <211> 558
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 27, 61, 91, 96, 108, 120, 157, 393, 478
 <223> unknown base

<400> 155

ttttttatca ttttgaactt tatgganaaa ttgggcagcc aaaacgcttc 50
 ccggggaagg ngccagcgaa gaatgcatcc taacgttagt naaggntgcc 100
 aaggaggntg tgcaacatgn tcagattaca atggatgttt gtcattgtaag 150
 cccagantat tttttgtttc tggaaagaat tggcatgaag cagattggag 200
 tatgtctctc ttcattgtcca agtggatatt atgggaactcg atatccagat 250
 ataaataagt gtacaaaatg caaagctgac tgtgatacct gtttcaacaa 300
 aaattttctgc acaaaatgta aaagtggatt ttacttacac cttggaaagt 350
 gccttgacaa ttgcccagaa ggggttggag ccaacaacca tantatggag 400
 tgtgtcagta ttgtgactg tgaggtcagt gaatggaatc cttggagtcc 450
 atgcacgaag aaggggaaaa catgtggntt caaaagaggg actgaaacac 500
 ggggccgaga aataatacag catccttcag caaagggtaa cctatgtccc 550
 ccaacaaa 558

<210> 156
 <211> 695
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 4, 6, 29, 42, 55, 57, 70, 92, 115, 118-119, 585
 <223> unknown base

<400> 156
 atcnangtgg atgcagtctt cattgacana agtaacctgg anatcactcc 50
 ggacnanccc cgctggatcn gagcctgggtg ggggtggcttt cngetctgcg 100
 gtgccttaca cttentcnnt tccctcttga tgtttgggtt tccacagtcc 150
 ctgccccgc actcagaccc cgccatggaa agcgagcagg ccatgctctc 200
 cgaaagagaa tacgagagac ccaagcccag caacggggtc ctgaggcacc 250
 ccctggagcc agacagcagt gcctcctgtt tccagcagct gagagtgatc 300
 ccgaaggtca ccaagcacct gctctcaaac cctgtgttca cctgcatcat 350
 cctggccgcc tgcattggaga ttgcagtggg ggtggcttc gctgcctttt 400
 tggggaagta cctggagcag cagttaacc tcaccacctc ttctgccaac 450
 cagctgcttg ggatgactgc gatcccgtgt gcttgtctgg gtatcttcct 500
 gggaggtctt ttgggtgaaga agctcagcct gtctgccctg ggggccattc 550
 ggatggccat gctcgtcaac ctggtgtcca ctgcntgcta cgtctccttc 600
 ctcttcctgg gctgcgacac tggccctgtg gctgggggtta ctgttcctta 650
 tggaaacagc acagcacctg gctcagcct ggaccctac tggcc 695

<210> 157

gtggaataact ttacatttta ttgtactggg tattccaaag gcccttttta 550
 tccaaaaact catgtctttt agtgetggaa atttttcttt tgttattttc 600
 atatttttct tccccttttt tctcttttcg ctttctggaa tgctgttg 650
 tcaaagtca gattttctga ctcatctat acaattagaa agcacacca 700
 agtttctact tggaactact ccagtgagec cttcagtgtg gtcacctctg 750
 ggagagata ctatagattt actgctaag 779

<210> 159
 <211> 358
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 60, 91
 <223> unknown base

<400> 159
 tcaggatgtt cttaattggg gaagaaatca ttttttcnt aaaaaaac 50
 aagcattcn tggggccgga ttacttgaa acattgtact naccagagg 100
 agaggaaatt accacgaaac ctgagaacat ggaacactgt tactataaag 150
 gaaacatcct aaatgaaaag aattctgttg ccagcatcag tacttgtgac 200
 gggttgagag gatacttcac acatcatcac caaagatacc agataaac 250
 tctgaaaagc acagacgaga aagaacatgc cgtctttaca tetaaccagg 300
 aggaacaaga cccagctaac cacacatgtg gtgtgaagag cactgacggg 350
 aaacaagg 358

<210> 160
 <211> 362
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 55
 <223> unknown base

<400> 160
 atgctgcgtg ggatctccca gntacctgca gtggccacca tgtcttgggt 50
 cctgntgcct gtactttggc tcattgttca aactcaagca atagccataa 100
 agcaaacc tgaattaacg ctccatgaaa tagtttgtcc taaaaaactt 150
 cacattttac aaaaaagaga gatcaagaac aaccagacag aaaagcatgg 200
 caaagaggaa aggtatgaac ctgaagttca atatcagatg atcttaaag 250
 gagaagaaat cattctctcc ctacaaaaaa ccaagcacct cctggggcca 300
 gactacactg aaacattgta ctacccaga ggagaggaaa ttaccacgaa 350

acctgagaac at 362

<210> 161
<211> 479
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 160
<223> unknown base

<400> 161
gtttgggcta acaggatctc ctcttgcaagt ctgcagccca ggacgctgat 50
tccagcagcg ccttaccgcg cagcccgaag attcactatg gtgaaaatcg 100
ccttcaatac ccctaccgcc gtgcaaaagg aggaggcgcg gcaagacgtg 150
gaggeccctn tgagccgcac ggtcagaact cagatactga ccggcaagga 200
gctccgagtt gccacccagg aaaaaaaggg ctctctctgg agatgtatgc 250
ttactctctt aggcctttca ttcactcttg caggacttat tgttggtgga 300
gcctgcattt acaagtactt catgcccagg agcaccattt accgtggaga 350
gatgtgcttt tttgattctg aggatcctgc aaattccctt cgtggaggag 400
agcctaactt cctgcctgtg actgaggagg ctgacattcg tgaggatgac 450
aacattgcaa tcattgatgc gcctgtccc 479

<210> 162
<211> 307
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 65, 204
<223> unknown base

<400> 162
tgtcacaggt gggaaagaaa cggactgtgg gccctctctt ggattagcgg 50
cgggcatacc attgntgggt gccacagccc tgctggtggc tttactatct 100
actttgattc accgaagaag aagcagcatt gaggccatgg aggaaagtga 150
cagaccatgt gaaatttcag aaattgatga caatcccaag atatctgaga 200
atcntaggag atcaccacaca catgagaaga atacgatggg agcacaagag 250
gccacatat atgtgaagac tgtagcagga agcgaggaac ctgtgcatga 300
ccgttac 307

<210> 163
<211> 502
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 188
 <223> unknown base

<400> 163
 tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tataggcttt 50
 aaaatgtata tgtcttgcca tactgaaccc atgttgaagc catatttcca 100
 cagggttaata gctggcagaa ctgagttaag ggttgcccct tttagatgag 150
 gcatatgctc tcccatcctc cacagttcac actatgcntg cttatctctt 200
 actgatatta gatattagta atagtcacat ttatgcattg tctttattta 250
 aaaaaatagt tctctttttt atgacagtag caatagttag aatatgaaag 300
 agagaagagg atttatcctt gccctactca attccttgat atcatctgcc 350
 tggtaatgag gtgttgagagc tggctaatac tgacttatga gagcatattg 400
 ttaaataattc aggaatttta ccagcagcaa ccaccattgg tagattggaa 450
 tcagccacag tgggagtatt tacaccaggg aaatcaacga acattacaaa 500
 tc 502

<210> 164
 <211> 238
 <212> DNA
 <213> Homo Sapien

<400> 164
 tttcaaaaaa aaaaaagtgc ttctagtaaa taacacataa cttttgtttt 50
 ataaccat gttacagtcc ctctcttata ggagaaccca atccattcag 100
 tttatcagtg atatgcctgt ttttgtgtgt tccatcggac tttgtttcct 150
 tttttcgatt ttgttattgt ttccacctt tcaattttct tacatttgtt 200
 ggctctctca agcttctgtt tattccccct ctcctcc 238

<210> 165
 <211> 702
 <212> DNA
 <213> Homo Sapien

<400> 165
 cccgctgctc gggcactgtc tatatacgcc taacacctac atatatttta 50
 aaaacattaa atataattaa caatcaaaag aaagaggaga aaggaaggga 100
 agcattactg ggttactatg cacttgcgac tgatttcttg gctttttatc 150
 attttgaact ttatggaata catcggcagc caaaacgcct cccggggaag 200
 gcgccagcga agaatgcac ctaacgtag tcaaggctgc caaggaggct 250
 gtgcaacatg ctcagattac aatggatgtt tgtcatgtaa gccagacta 300
 ttttttgctc tggaaagaat tggcatgaag cagattggag tatgtctctc 350

ttcatgtcca agtggatatt atggaactcg atatccagat ataaataagt 400
 gtacaaaatg caaagctgac tgtgatacct gtttcaacaa aaatttctgc 450
 acaaaatgta aaagtggatt ttacttacac cttggaaagt gccttgacaa 500
 ttgcccagaa gggttggaag ccaacaacca tactatggag tgtgtcagta 550
 ttgtgcactg tgaggtcagt gaatggaatc cttggagtcc atgcacgaag 600
 aagggaaaaa catgtggctt caaaagaggg actgaaacac ggggccgaga 650
 aataatacag catccttcag caaagggtaa cctgtgtccc ccaacaaatg 700
 ag 702

<210> 166
 <211> 365
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 28, 34, 93, 126, 145, 151, 161, 195
 <223> unknown base

<400> 166
 ggattacaac ccccgaggagc gcgccctnta tacntggaac aacggccacc 50
 aggtgctata caatgtcacc ctgttttcacg tcatcagcac ctntgggggc 100
 ctttttcatt cgtgcctgtg tcccncaag ggtgatctct atgtntatgt 150
 nacgcccttt ntccccgcct ttttgctggg cttttgttct ctgcntatgt 200
 atttctgtct attttttcaa tttccctct tctcctttat tgatctctgc 250
 ttttaataca ccaattcttt ctttctgcct ttttatggat gtctttttct 300
 ttttatggct ctgggtctcc agttctttcc gtctctgcct ctctctgtct 350
 ctctctctct gtcc 365

<210> 167
 <211> 452
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 26
 <223> unknown base

<400> 167
 tcagcaaaac gtggatttaa atctcnttgc acaagcttga gagcaacaca 50
 atttatcagg aaagaaagaa agaaaaaac cgaacctgac aaaaaagaag 100
 aaaaaaga agaaaaaaa tcatgaaaac catccagcca aaaatgcaca 150
 attctatctc ttgggcaatc ttcacggggc tggtgctct gtgtctcttc 200
 caaggagtgc ccgtgcgcag cggagatgcc accttcccca aagctatgga 250

caacgtgacg gtccggcagg gggagagcgc caccctcagg tgcactattg 300
 acaaccgggt caccgggggtg gcctggctaa accgcagcac catcctctat 350
 gctgggaatg acaagtgggtg cctggatcct cgcgtgggtcc ttctgagcaa 400
 caccctaaacg cagtacagca tcgagatcca gaacgtggat gtgtatgacg 450
 ag 452

<210> 168
 <211> 443
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 110-111, 122, 134, 275
 <223> unknown base

<400> 168
 ggagtggctt cccctactgc gtgntttgac gcccatcccg gtgctcacgt 50
 ggtttttccc ccatcatcgg ccacatgggc atctgcacat ccacaggagt 100
 cattcgggan ntgcggggcc cntactttgt ctengaggac aacatggcct 150
 ttggaaagcc tgccaagtac tggaagtgg accctgctca ggtctatgct 200
 agcggggccca acgcatggga caccggctgtg caccgacgct ctgaggagta 250
 caagcaccgc atgcacaatc tctgntgtga caactgccac tcgcacgtgg 300
 cattggccct gaatctgatg cgctacaaca acagcaccaa ctggaatatg 350
 gtgacgctct gcttcttctg cctgctctac gggaagtacg tcagcgttgg 400
 ggccttcgtg aagacctggc tgcccttcat ccttctcctg ggc 443

<210> 169
 <211> 319
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 54, 163, 203
 <223> unknown base

<400> 169
 tgggagatgt atgcttactc tccttagcct ttcattcacc ttggcaggac 50
 ttantgttgg tggagcctgc atttacaagt acttcatgcc caagagcacc 100
 atttaccgtg gagagatgtg cttttttgat tctgaggatc ctgcaaattc 150
 ccttcgtgga ggngagccta acttcttgcc tgtgactgag gaggctgaca 200
 ttngtgagga tgacaacatt gcaatcattg atgtgcctgt cccagtttc 250
 tctgatagt accctgcagc aattattcat gactttgaaa agggaatgac 300
 tgcttacctg gacttccag 319

<210> 170
<211> 383
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 117, 120, 124
<223> unknown base

<400> 170
ggaagcaaag gaggaagatc taccacagaa ggttgaggaa aagttcaacc 50
tcacacaagc acagatcaaa cagacagctt ggaattnagc aaacaacagt 100
ttttacacca gtagcangan ttcntattgt taactttgat tatagcatgg 150
aggaaaagtt tgaatccttt tcaagttttc ctggagtaga atcaagttat 200
aatgtgttac caggaaagaa gggacactgt ttggtaaagg gcataaccat 250
gtacaacaaa gctgtgtggt cgctgagcc ctgcactacc tgcctctgct 300
cagatggaag agttctttgt gatgaaacca tgtgccatcc ccagaggtgc 350
cccaaacag ttatacctga aggggaatgc tgc 383

<210> 171
<211> 636
<212> DNA
<213> Homo Sapien

<400> 171
actacattgc ctggaggaag cctaaggaac ccaggcatcc agctgcccac 50
gcctgagtcc aagattcttc ccaggaacac aaacgtagga gacccacgct 100
cctggaagca ccagccttta tctcttcacc ttcaagtccc ctttctcaag 150
aatcctctgt tctttgcct ctaaagtctt ggtacatcta ggaccaggc 200
atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250
ttctccttat gtttggctta ctattgcatt tagaagctgc aacaaattcc 300
aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350
agccagcaca gccaccaact ctgggtccag tgtgacctcc agtggggtca 400
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450
gtcaccaact ctgagttcca tacaacatcc agtgggatca gcacagccac 500
caactctgag ttcagcacag cgtccagtgg gatcagcata gccaccaact 550
ctgagtccag cacaacctcc agtggggcca gcacagccac caactctgag 600
tccagcacac cctccagtgg ggccagcaca gccacc 636

<210> 172
<211> 480
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 99, 162
<223> unknown base

<400> 172
tacattgcct tggaggaagc ntaaggaacc caggcatccc agctgcccac 50
gcctgagtc aagattcttc ccaggaacac aaacgtagga gacccacgnt 100
cttgggaagca ccagccttta tctcttcacc ttcaagtccc ctttctcaag 150
aatcctctgt tntttgcct ctaaagtctt ggtacatcta ggacccaggc 200
atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250
ttctccttat gtttggctta ctattgcatt tagaagctgc aacaaattcc 300
aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350
agccagcaca gccaccaact ctgggtccag tgtgacctcc agtgggggtca 400
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450
gtcaccaact ctgagttcca tacaacctcc 480

<210> 173
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 43, 51, 54, 120
<223> unknown base

<400> 173
gacaaaggnt catttgtaaa gaagctcctt ccagcacctc ctntcttctc 50
ntnttgccca aactcaccca gtgagtgtga gcattttaag aagcatcctc 100
tgcccaagac caaaaggaan gaagaaaaag ggccaaaagc caaaatgaaa 150
ctgatggtac ttgttttcac cattgggcta actttgctgc taggagttca 200
agccatgcct gcaaatgcgc tctcttgcta cagaaagata ctaaaagatc 250
acaactgtca caaccttcog gaaggagtag ctgacctgac acagattgat 300
gtcaatgtcc aggatcattt ctgggatggg aagggatgtg agatgatctg 350
ttactgcaac ttcagcgaat tgctctgctg cccaaaaaac 390

<210> 174
<211> 451
<212> DNA
<213> Homo Sapien

<400> 174
gtttggtaag actccagact ccagctaaca gtccctatgg aaagatggca 50
tcaaaaaaga tagatctata tatatatata aatatatatt ctattacatt 100
ttcagtgagt aattttggat ttgcaagggt gcatttttac tattgttaca 150

ttatgtggaa aacttatgct gatttattta aggggggaaaa agtgtcaact 200
 ctttgttatt tgaaaacatg tttatTTTTtC ttgtctttat tttaaccttt 250
 gatagaacca ttgcaatatg ggggcctttt gggaacggac tggatatgtaa 300
 aagaaaatcc attatcgagc agcattttat ttaccctcc cctatcccta 350
 ggcaactaac caagacaaaa agccacaatg aacatccctt tttcaatgaa 400
 ttttataatc tgcagctcta ttccgagccc ttagcaccca ttccgaccga 450
 g 451

<210> 175
 <211> 692
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 42, 97, 173
 <223> unknown base

<400> 175
 cggattggat ggattgnttg aacggattgg gttgggggaa gnaaagggaa 50
 aggagggaga aaggagggaa taactgggct ccatcttttg agagctnttg 100
 gttgggcaag ggcagaaaac aggccacag tgctcaacc cggacaccct 150
 cacgaagggt cgcaaagtca ctncctgttg cttcagattg ctcttttagga 200
 cctggagggga cagaccaga atcaggggtcc cctcctttac cccctgagtt 250
 ccttactgtt ccccaagcc tgggagcagt ctatcccca accctgccat 300
 ctcccttact catccctctt ccacagcttc ccctttctag cccctctgc 350
 cctacctgtc tttcctgagt gtttgagggg agagagagac ccacatctcc 400
 ccaaagagat gagcttttgg ggcacaacat cccaccgcag gccccctcac 450
 ccgacaacac ctctacctg gccccttgcc aaatccaag cagaattagc 500
 aacaggaaaa gcagagcccc aggagagaca ctctactata tatactcttc 550
 tatatattct gtttctattg tatattcact ctgtacatgt ggggtgtaa 600
 gctgtttaa gacaaacca atattatact gtggctggtg gactattttc 650
 atcctcagt ctgtacagat ctattttcat tgtatatttg at 692

<210> 176
 <211> 358
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59
 <223> unknown base

tttatccac catgaaagat ttcaaccact cataccatgc ctgtggtggt 300
 atagcaacca tagccttccat aatgattaat gcagtatcga atggacaagt 350
 ccgaggtgat agttacagtg aaggttgtct ggtcaaaca ggtgctcgca 400
 tttggctttt cgttgggtttc atgttggcct ttggatntct gattgcatct 450
 atgtggattc tttttggagg ttatgttgct aaagaaaaag acatagtata 500
 ccctggaatt gctgtatttt tccagaatgc cttcatnttt tttggagggc 550
 tg 552

<210> 181
 <211> 690
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 18, 87, 89, 97, 127, 148, 170, 221, 232, 357, 426, 478, 561
 <223> unknown base

<400> 181
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 ttttttgaat tttggaacag acctttatat tttgggnca gaagttngcc 100
 cagaaagcag caggggtttt gcctggntgt agagcccagt tcattggntg 150
 tccttgggtt tgtttccctn ttccgagtag ttgtgccttt tttcagatca 200
 ggttaccaca atgctccccg ntgtgacgtt tnatccccc cacttccagc 250
 ccagttacc tggagttttt cagaaccac tttgccggtg ttaaaacaca 300
 agaggggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 350
 gccaggntga aagacaagtt ccgggtgtcc aggggctgac gggccaacca 400
 tgtggcaggt ccaggcccc acccantgcg ccacccgctt ctgagctcca 450
 cagtgggtccc actaatggga acctcctnta gggagagtga tactgcacct 500
 tcacccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 550
 gcccttgttt ntagatgtaa atggtcaaag aaacaagcgt tttattgttt 600
 tgaataaaat agttcaaagt agtcctgtat cattgtatct cctattcttg 650
 attagtgcct tttggacagt agactgttct gtaattaaaa 690

<210> 182
 <211> 468
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 59, 95, 149, 331, 364, 438, 446
 <223> unknown base

gaattgattc tcacaggcgc accatggcag tttttgctgt tggagacttg 350
gactctatatt atgggacaga agcagctgtg agtccaactg ttggaattca 400
ccttcaaact caaaccctcg acctatatcc tgttcctgct ccatgttttg 450
gcccttttagg ctccctcctt ccct 474

<210> 185
<211> 340
<212> DNA
<213> Homo Sapien

<400> 185
ccgaaacgcg gtctttctct agacgcgtct tgcctgggaga gtgtccgttg 50
cttcccgtcc gtgtcgccgc cctgcgggtg gcggcctcct cgtggagcgg 100
agcaaggctg agatctgtat ctgtggacct gaatgttgat ccctcgcttc 150
agattgacat acctgatgcg ctacgtgaga gagacaaagt caaatttaca 200
gtgcacacaa agaccacact gccacggtt cagagcccag agttttctgt 250
tacaaggcaa catgaagact ttgtgtggct acatgacact cttattgaaa 300
caacagacta tgctgggctt attattccac ctgctctttg 340

<210> 186
<211> 411
<212> DNA
<213> Homo Sapien

<400> 186
ggctggagca aatgctccac agctgccgaa tccagaagtc agatttcagc 50
aacaactgga acagctcaac gcaatggggt tcttaaaccg tgaagcaaac 100
ttgcaggccc taatagcaac aggaggcgac atcaatgcag ccattgaaaag 150
gctgctgggc tcccagccat cgtaatcaca tttctgtacc tggaaaaaaaa 200
tgtatcttat ttttgataat ggctcttaaa tctttaaaaca cacacacaaa 250
atcgttcttt actttcattt tgattctttt aaatctgtct agttgtaagt 300
ctaatatgat gcattttaag atggagtccc tccctcctac ttcctcact 350
ccctttctcc ttgtcttatt tttcctacct tcccttctct ttgtctccc 400
actccctcc c 411

<210> 187
<211> 277
<212> DNA
<213> Homo Sapien

<400> 187
cttagcataa acctacaggg ccctgtgtga tcggactcct gccacttga 50
catgttagtt acttgccctt cgttgcttcg tgccttacct tccagaatca 100
ttaaactgct gatgtttccc aaaaataact atgtacctgg gtcagctcat 150

gctggcatgg agttctcgtc catcaccatg cccaccctgg cttctttgag 200
 cgcccgata atatatatct ctaccatcat acttcatata ttttggtata 250
 attgctgggt ttatttgctt ctgtggt 277

<210> 188
 <211> 294
 <212> DNA
 <213> Homo Sapien

<400> 188
 aaaaatcctg gttttttttg ggtttttttt ttgctgtgcc ctagaccatt 50
 acataactga agactccac cttcaggcag gtttgggtag tacacgtttg 100
 taactacctg gcattgcctt ttgttgaagt aatttcagtt tttattagta 150
 gtagtagtag tatacttttg gttctacagt atatgttcac aatgtgcagg 200
 tttgttacat atgtatacat gtgccatgtt tgtttgctgc acccattaac 250
 tggtcattta cattgggtat ttctcctaact actatcccc ccgc 294

<210> 189
 <211> 385
 <212> DNA
 <213> Homo Sapien

<400> 189
 gtaacatttg ggagtgacaa gactgttcat cagcttgggg cctggcagca 50
 acttttctag agttagcttt tttctcctt cttgttccat gacttaaaaa 100
 taataacttg ttgggcattg tgcctcatc ttgtaatccc agcacttttg 150
 gaggctgagg cacttgtggc caggagttca agactagcct gggcaacgta 200
 gtagatgcc tccccgccac catctctaca aaagaaaaaa agttaactct 250
 tgatttgctt tctagtagtg ggtgaatttg gagttccaat gattgtcaac 300
 ccattaattc ttcatttact gaacatctcc ttatgtttca gatgctgcaa 350
 agatgtacaa gactttgttt cctaccctcc ttttt 385

<210> 190
 <211> 134
 <212> DNA
 <213> Homo Sapien

<400> 190
 tgcaatctgc cttgtgtgct gttgtaaaca agttagtgtt caaccagtgt 50
 tttaaagtgtc tgttttaaaa gctctaatta tggtagtatt tccatttctt 100
 tttacaacac cctttatttt gttcctccag gttc 134

<210> 191
 <211> 245
 <212> DNA
 <213> Homo Sapien

<400> 191
 ttttaaaaaa aaaaaaaaaac aaagaaattc tatgttaact caataccaac 50
 atcttgcaga actagagtac aatatcacag ccaggatgtt gaccttgata 100
 cgagccatca gtcttattcg ggttttccca aatttacttt gtgtgtgtgt 150
 gtgtctgtgt gtagttaggt ctatgctagt ttatgacgtg cagtttcatg 200
 tatctcccac cacagccaac acacagaaca gttccatctc cctc 245

<210> 192
 <211> 323
 <212> DNA
 <213> Homo Sapien

<400> 192
 ggtttcgcca tgttgcccaa gctgttcttg aactcccggg ctcaggatgat 50
 ccgcctccct cggcctccca gagtgtgtgg attacaggca cggaccacca 100
 tgcccagcct ccacatcttt ttttgactg tgtatactct tctgagacat 150
 gccaaacttcc tccagggtcaa gaaaggggta tatagctctc agcttcactc 200
 tttcagggct gatgtgcct ttgccttttc tcaattcact gacctgtcta 250
 ttctacaac tgtctctttc tagagaagcc tcaatgatca ggattgacag 300
 gccacactct ccccccactt tct 323

<210> 193
 <211> 481
 <212> DNA
 <213> Homo Sapien

<400> 193
 cagcatgagc tccctgtgtg tgcaaggcag ctctatgcgg ttctcggtgt 50
 ctccataggaa gcaactttca gtaccctcct gtgttgagtc cgattttcta 100
 aaagctgagc gggcatctag ggacctttct gtcactcagc cgactgtgtg 150
 gctgtggcca gctctgggtc tgcctcccc agaactagat gccatgggg 200
 agtccatcag caccaatctc ctgtgatcgt ttatacaaca gaatctccac 250
 tcaagtaaaa gtggggcctc ctctatctt gctgtttgtg tgtgtgttg 300
 cagaccccag cgtggctgga acagatgatt gcacatacca cgtggcggga 350
 ccttttttat aaactggctg aagcccatcc agactgtttg atgctgaact 400
 tcaccgttaa ggtaggaaga gttctagagt taaggagaaa agtgtttatg 450
 aatgtttatt tttggttgtt ggtctgtttg g 481

<210> 194
 <211> 184
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 128
<223> unknown base

<400> 194
atagctctca gcttcaactct ttcagggctg atgtcgcctt tgccttttct 50
cacttcaactg acctgtctat tcttacaact gtctctttct agagaagcct 100
caatgatcag gattgacagg ccacactntc ccccaccatt tttttctcct 150
ccttcaagcc tcttgtctgt ttcaccctct agtg 184

<210> 195
<211> 225
<212> DNA
<213> Homo Sapien

<400> 195
gtttaattat ggtatgcaac cactcatgta ttcggttcag gaagcattaa 50
atgccagacc atggtggatt cgtatgggga ctgacatttg ttactataaa 100
aatcatttct caagaagttc agttgtctga ggtgggcaaa agggaaaatc 150
ctactatata attacattta ctgtcaattt tccacataaa gatgatgttt 200
gctactttgc ttatcactat ccttt 225

<210> 196
<211> 208
<212> DNA
<213> Homo Sapien

<400> 196
ctgacattca ttgtgatgag ggcagctttc tggtagagga ttctaagctc 50
tatgttttat atacattttc atctgtactt gcacctcact ttacacaaga 100
ggaaactatg caaagtttagc tggatcgctc aaggtcactt aggtaagttg 150
gcaagtccat gcttcccact cagtcctca ggtagcaag tctacttctc 200
tgctatag 208

<210> 197
<211> 403
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112
<223> unknown base

<400> 197
atcttggcgc tatgaaagta taacactaag aaaaaattc atttttttca 50
aacgtaacct tccattcttt ctcccttttc ctctaaacta aaaccttctt 100
tcccatcttt tntttcttga accagactaa tctagacaaa gatctcagcc 150
tctgccagac agagtttagag gcagatttag aaaaaatgga gacgtttaat 200
aaagcaccca gtgcaaactg gccacaggta tttcctagtt tttctcatgc 250

catcagttcc ttttcaagct gtgctttggtt ttcttctttg ttctatgggt 300
 tttgatgtag ttgaggtgac ggatgggtgat gctggctatt ttaggtgca 350
 tggttttctg actactgttt tagactcctt cccccacacc taccagtta 400
 gta 403

<210> 198
 <211> 484
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 62, 150, 158, 195, 236
 <223> unknown base

<400> 198
 gttgaacgcc accgaggggc aagtcacaga caagaagctg tgcagtcacc 50
 agtgttttct cntgcccaga aacaaatcca ccaaaaaccc atacctctgc 100
 caagatttac agaaggggga aacccaactg tggatgggcc cctaccaggn 150
 ttttcatnta attccactat ttcagaacag gaagctggcg ttctntgcaa 200
 gccatggtat gctggagcct gtgatcgaaa gtctgntgaa gaggcattgc 250
 acagatcaaa caaggatgga tcattttctta ttcggaagaa ctctggccat 300
 gattccaaac aaccatatac actagttgta ttctttaata agcgagtata 350
 taatattcct gtgcgattta ttgaagcaac aaaacaatat gccttgggca 400
 gaaagaaaaa tggatgaagag tactttggaa gtgttgctga aatcatcagg 450
 aatcatcaac atagtccttt gggtcttatt gaca 484

<210> 199
 <211> 442
 <212> DNA
 <213> Homo Sapien

<400> 199
 ggcggctggg ctgtttggtt tgagcgctcg ccgtcttttg gcggcagcgg 50
 cgacgcgagg gctcccgcc gccgcgctcc gctgggaatc tagcttctcc 100
 aggactgtgg tcgccccgtc cgtgtggcg ggaaagcggc cccagaacc 150
 gaccacaccg tggcaagagg acccagaacc cgaggacgaa aacttgatg 200
 agaagaaccc agactcccat gggtatgaca aggacccgt tttggacgtc 250
 tggaacatgc gacttgtctt ctttttggc gtctccatca tctgggtct 300
 tggcagcacc tttgtggcct atctgcctga ctacaggatg aaagagtgg 350
 cccgccgcga agctgagagg cttgtgaaat accgagaggc caatggcctt 400
 cccatcatgg aatccaactg cttcgacccc agcaagatcc ag 442

<210> 200
<211> 756
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 31, 46, 68, 72, 95, 220
<223> unknown base

<400> 200
ggtccgaaaa gtaagttctt nttttgggct naacgggatt tccttntttg 50
cagttttgca gccccagnac gntgattccc agcaggcgct ttacngggca 100
gcccgaagat ttcacttatg gtgaaaatcg cctttcaata cccttaccgc 150
cgtgcaaaaag gaggaggcgc ggcaagactt ggaggccctt cttgaccoga 200
acggctcagaa ctcaggatan tgaccggcaa ggagctccga gttgccaccc 250
aggaaaaaga gggctcctct gggagatgta tgcttactct cttaggcctt 300
tcattcatct tggcaggact tattgttggg ggagcctgca tttacaagta 350
cttcatgccc aagagcacca tttaccgtgg agagatgtgc ttttttgatt 400
ctgaggatcc tgcaaattcc cttcgtggag gagagcctaa cttcctgcct 450
gtgactgagg aggctgacat tcgtgaggat gacaacattg caatcattga 500
tgtgcctgtc cccagtttct ctgatagtga ccctgcagca attattcatg 550
actttgaaaa gggaaatgact gcttacctgg acttggttgc ggggaactgc 600
tatctgatgc ccctcaatac ttctattggt atgcctcaaa aaaatctggt 650
agagctcttt ggcaactgg cgagtggcag atatctgcct caaacttatg 700
tggttcgaga agacctagtt gctgtggagg aaattcgtga tgtagtaac 750
cttggc 756

<210> 201
<211> 445
<212> DNA
<213> Homo Sapien

<400> 201
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tctatagctc agatcattgt cacagtcgta ctgggactgg ttataggtgc 100
catttacttt gggctaataa atgattctac tggaatccag aacagagctg 150
gggttctctt cttcctgacg accaaccagt gtttcagcag tgtttcagcc 200
gtggaactct ttgtggtaga gaagaagctc ttcatacatg aatacatcag 250
cggatactac agagtgtcat cttatttctt tggaaaactg ttatctgatt 300
tattacccat gaggatgtta ccaagtatta tatttacctg tatagtgtac 350
ttcatgttag gattgaagcc aaaggcagat gccttcttcg ttatgatgtt 400

tacccttatg atggtggctt attcagccag ttccatggca ctggc 445

<210> 202
<211> 700
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 66, 168
<223> unknown base

<400> 202
gcggccccct tgggggttgg attcaggatt tgttccctagt gtccaagatt 50
ttgttaggaa cttacngaag ttgatgctta cctacaaatc ttgattgaac 100
aattaaagct ttttgatgac aagcttcaaa actgcaaaga agatgaacag 150
agaaagaaaa ttgaactntc aaagagacaa caaatagcat ggtagaatca 200
attaaacact gcatttgtgtt gctgcagatt gccaaagacc agagtaatgc 250
ggagaagcac gcagatggaa tgataagtac tattaatccc gtagatgcaa 300
tatatcaacc tggtcctttg gaacctgtga tcagcacaat gccttcccag 350
actgtgttac ctccagaacc tgttcagttg tgtaagtcag agcagcgtcc 400
atcttcccta ccagttggac ctgtgttggc taccttggga catcatcaga 450
ctcctacacc aaatagtaca ggcagtggcc attcaccacc gagtagcagt 500
ctcacttctc caagccacgt gaacttgtct ccaaatacag tcccagagtt 550
ctcttactcc agcagtgaag atgagtttta tgatgctgat gaattccatc 600
aaagtggctc atccccaaag cgcttaatag attcttcttg atctgcctca 650
gtcctgacac acagcagctc gggaaatagt ctaaaacgcc cagataccac 700

<210> 203
<211> 513
<212> DNA
<213> Homo Sapien

<400> 203
catgcagtgc ttcagcttca ttaagaccat gatgatcctc ttcaatttgc 50
tcatctttct gtgtgggtgca gccctgttgg cagtgggcat ctgggtgtca 100
atcgatgggg catcctttct gaagatcttc gggccactgt cgtccagtgc 150
catgcagttt gtcaacgtgg gctacttct catcgcagcc ggcgttgtgg 200
tctttgctct tggtttctctg ggctgctatg gtgctaagac tgagagcaag 250
tgtgcccctg tgacgttctt ctcatcctc ctctcatct tcattgctga 300
ggttgcagct gctgtggctg ccttgggtga caccacaatg gctgagcact 350
tcttgacgtt gctggtagtg cctgccatca agaaagatta tggttcccag 400

gaagacttca ctcaagtgtg gaacaccacc atgaaagggc tcaagtgtg 450
 tggcttcacc aactatacgg attttgagga ctcaccctac ttcaaagaga 500
 acagtgcctt tcc 513

<210> 204
 <211> 348
 <212> DNA
 <213> Homo Sapien

<400> 204
 gaatcgatag aaccgaggtg cagtgggacc tgggagtgga caccaagatt 50
 ttaaaagctc caatttcaga gcaagagtgc aaaactcaca gataaagtta 100
 tagttatttc aggggttctga aaagacgcag aacatgaagg gactcagaag 150
 tctggcagca acaaccttgg ctcttttctt ggtgtttgtt ttcttgggaa 200
 actccagctg cgctccgcag agactgttgg agagaaggaa ctggactcct 250
 caagctatgc tctacctgaa aggggcacag ggtcgccgct tcatctccga 300
 ccagagccgg agaaaggacc tctccgaccg gccactgccg gaaagacg 348

<210> 205
 <211> 493
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 202
 <223> unknown base

<400> 205
 tccaggagac gactaaaatg ggctgtcttc atcgggtggaa tacaacataa 50
 tggagtgtgga acaagaactt gaaaatgtaa agactcttaa gacaaaatta 100
 gagaggcgaa aaaaggcttc agcatgggaa agaaatttgg tgtatcccgc 150
 tgttatgggt ctcttcttta ttgagacatc catctcggtc ctcttgggtg 200
 cntgtaatat tctttgccta ttggttgatg aaacagcaaa tgccaaaagg 250
 aacaaggggg cctggaatag gaaatgcctc tctttctacg tttggttttg 300
 tgggagctgc gcttgaaatc attttgattt tctatcttat ggtgtcctct 350
 gttgtcggct tctatagcct tcgatttttt ggaaacttta ctcccaagaa 400
 agatgacaca actatgacaa agatcattgg aaattgtgtg tccatcttgg 450
 ttttgagctc tgctctgcct gtgatgtcga gaacactggg aat 493

<210> 206
 <211> 599
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 38, 48, 191, 261
<223> unknown base

<400> 206
ctattagaga ttcccccttgg acccttggac ccaacggngt cccgggggnac 50
acccccctttt ttcagaaacc cagggtgtg taagagctgc ttggagtagg 100
caccaccttt aaagaaaaaa atgaagaagc agcaataaag aagttgtaat 150
cgttacctag acaaacagag aactggtttt gacagtgttt ntagagtgtc 200
ttttattatt ttctgacag ttgtgttcca ccatgattac tttctccttc 250
agcgaatagg ntaaataaat atgaaacaga aaagcgtgta tcagcaaacc 300
aaagcacttc tgtgcaagaa ttttcttaag aaatggagga tgaaaagaga 350
gagcttattg gaatggggcc tctcaatact tctaggactg tgtattgttc 400
tgttttccag ttccatgaga aatgtccagt ttcttggaaat ggctcctcag 450
aatctgggaa gggtagataa atttaatagc tcttctttta tggttgtgta 500
tacaccaata tctaatttaa cccagcagat aatgaataaa acagcacttg 550
ctcctctttt gaaaggaaca agtgtcattg gggcaccaaa taaaacaca 599

<210> 207
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 75, 77, 283, 458
<223> unknown base

<400> 207
tgccttttcc tctgaccctt caggtccttc accgagtttt gctccaggng 50
tatattgaaa acatacccag tgctntntca agcaccact gcttagaggg 100
cccagatttc ttttccttct ttcccttgca gagctggaga ctgcatcggg 150
catctggtgt ttaaactaaa caggaaaact gactaaaggt ccacagtgtc 200
cattgtgtag actagctgcc ctccgatggg tgctctgatt atcagtgggt 250
ccagtgcagg gcctgtcact aaacaggcct canttctctc ttgggggctt 300
tcccatggga ggtgtggctt tttactctac atggaaatga ctctctgcag 350
ccacagaaca cagtcatttt ctgaattatc ccagtctctc atgcgccctg 400
gattcctcca gatgccttat atctcttggt caaagttgtc taaaatttgg 450
ttcccagntt ccaagccttg ccttttggcc ttcttggaa gatttttgtt 500
gatgagtcgt ctgtcattat tctctaaaat gatttgcttt ttgtttcttt 550
cattcctatt tccacccac atatacac 578

<210> 208

<211> 588
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 332, 427, 444, 449, 480, 508, 541, 578
<223> unknown base

<400> 208
tctttctgta agactcaact gatatatatt atactgatgc aaatattaag 50
tagggcataa aaatagtctt ccataatatg aaatagatta ttcaataatt 100
gagaaacttt atgtgtaatc atgagagtat aagagtctgg attatctaac 150
attggttagcc ctgtgtatgt acagttcaaa aagttcattt ataaaagtag 200
tttctctgttc ctagtgtgat gtatcacaaa ttgtgctgag gttatttttag 250
tatgtgtggtt tcattcccgt gcttctgttc tgaagtcctg gaatacagtt 300
ttcagtgtaa ttaattcaac tgcacttaac antaatgtcc gtgttggtat 350
agaaatgtct aaatcctata ctctagttga ggaagatctt ccataatttt 400
atggtattac acagggaaaag ctatgantgc aggatcagtc taantatant 450
attaggtgca tgtattctct tttcactaan ttatacttgt ctatctagaa 500
tacaggtntt ccagtcagct ggtcatttac caggtgtgga nttaagttgc 550
tgggcttgca gtaagaattg ccagccantc attgtgcg 588

<210> 209
<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 84
<223> unknown base

<400> 209
cgtgtggccc ccgcggtgcg gagtatgggg cgctgatggc catggagggc 50
tactggcgct tcctggcgct gctggggctg gcantgctg tcggcttctt 100
gtcggtgatc ttgcgcctcg tctgggtcct ccactaccga gaggggcttg 150
gctgggatgg gagcgacta gagtttaact ggcacccagt gctcatggtc 200
accggcttcg tcttcatcca gggcatcgcc atcatcgtct acagactgcc 250
gtggacctgg aaatgcagca agctcctgat gaaatccatc catgcagggt 300
taaatgcagt tgctgccatt cttgcaatta tctctgtggt ggccgtgttt 350
gagaaccaca atgttaacaa tatagccaat atgtacagtc tgcacagctg 400
ggttggactg atagctgtca tatgctattt gttacagctt ctttcagggt 450
tttcagtctt tctgcttcca tgggctccgc t 481

<210> 210
<211> 569
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 325
<223> unknown base

<400> 210
tttcatatac catggagtta cataaaacat ggcattttgt atctggcttc 50
tttcacttaa tgttttcaag gttcattcag gctggagcgc ataatagatac 100
tttattcctt tctatggttg aataatattc cattgtatga atagaccata 150
ttttgtctat ccattcatca gttgatggac atctgggtta tttctatttt 200
tggtatcgt gaataatgct gccatggaca ttcacgtata agtttttgtg 250
tggtatatatg ttttcatttc tttggagtag agttgctggg tcatggggta 300
accctaggtt taagcttttg aggentacca gatttccaaa gtgactgcat 350
cattttgcat tcccatcaac agtatatgaa ggttctaact tctctacatc 400
ttcaccaata tttgttattg tctgtcttct tgacaaaagt tctcctagtg 450
gggtgtgaact ggtatcattt tgtgggtttg atttgcattt cctggatggg 500
tatgaatggt gattttactt tcatgtgctt attggccatt gtatatcttt 550
gggaaaatag ctattttcc 569

<210> 211
<211> 416
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 291
<223> unknown base

<400> 211
gtcgaagaa gcttatctgc aaaagatata atgaaaaatg ggaagagcaa 50
tcatctcaaa cagttccggg ttgctgccct tttggctttc ctaggtgcta 100
cagtagcagg ctgttttccc cttttccata gaggggaata ttctgcatca 150
cccctttgtt tgccatttcc tacaggtgaa acgccatcat taggattcac 200
tgtaacgtta gtgctattaa actcactagc atttttatta atggccgtta 250
tctacactaa gctatactgc aacttggaag aagaggacct ntcagaaaac 300
tcacaatcta gcatgattaa gcatgtcgct tggctaattc tcaccaattg 350
catctttttc tgccctgtgg cgtttttttc atttgcacca ttgatcactg 400
caatctctat cagccc 416

<210> 212
<211> 765
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 55, 63, 76, 81, 389, 626, 761
<223> unknown base

<400> 212
ttttggcctg ttggaatttc cccanttttt ttccccagga ggatttgccc 50
aaaantgagc ttntattggg acaggnggca nttggatttt tggagtaggt 100
gggcttttgt ttttggggtc tgcaattggg ttgtcttaga gggtcaggag 150
gggaaattat atggaagggt cccaaattgc attactttac aaactcattg 200
tactctgttt ggccattagt cttccttagg aatcggacga ttagccatta 250
taaaatcaat aggctatcag gaacatttaa cagagtattg gagttcactg 300
gaactttttc tttaccataa tagttgtgaa attgataaca cactgctgt 350
tgattatttt tcccctaaat aagtcctgga ttattgcctt cggcattact 400
gtattatacc agctagccct tgactttacc tcaactgaaga ggtaaatatt 450
atatggcact gatggtagtg gcacacgggt tggctctatta aatgccaacc 500
gcgaaggaat aatctctacc ctgggggatg tggcaataca catggctggg 550
gtgcaaacag gggtatatat gcataagaac cgatcacata tcaaagactt 600
gataaaagta gcctgttttc ttttantggc agctattagc ctcttcatat 650
ctctttacgt agttcaagta aatgtagaag cagtatctcg aagaatggca 700
aathtagcct tttgtatttg gatagttgct tctagcctga tccttcttag 750
tagtttatta ntggg 765

<210> 213
<211> 500
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 117, 181, 219, 297, 397, 415
<223> unknown base

<400> 213
ggcggaactg aagttttttc ttaattatca tgtgacgggt tctggattta 50
atgggggggaa aagggcggaa taggacaagg atccaaactg gcgaatttgc 100
tgatcttcgg gtcctntcc gctttccggc cggcagcgt gccagggtat 150
atttcctttt ttccgatcct gcaacagcct ntttaaactg tttaaagag 200
aatgtccttg gctcagagng tactactcac ctggcttttc acactactct 250

tcttgatcat gttggtgttg aaactggatg agaaagcacc ttggaantgg 300
 ttcctcatat tcattccagt ctggatattt gatactatcc ttcttgcct 350
 gctgattgtg aaaatggctg ggcggtgtaa gtctggcttt gaccctngac 400
 atggatcaca caatnttaaa aaaaaagcct ggtacctcat tgcaatgtta 450
 cttaaattag ccttctgcct cgcactctgt gctaaactgg aacagtttac 500

<210> 214
 <211> 500
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 1, 15, 24, 49, 94, 126, 158, 196
 <223> unknown base

<400> 214
 nacggtgaat ttttngaagc caangaagga gatttgcaca ggatagaant 50
 cccattcaaa ttccacatgt tgcattcagg gttggtccac ggcntggctt 100
 tctggtttga cgttgctttc atcggncca taatgaccgt gtggctgtcc 150
 acagcccnga cagagcccct gacccactgg taccaggtgc ggtgcntgtt 200
 ccagtcacca ctggtcgcca aggcagggga cacgctctca gggacatgtc 250
 tgcttattgc caacaaaaga cagagctacg acatcagtat tgtggcccag 300
 gtggaccaga cgggctccaa gtccagtaac ctctggatc tgaaaaacc 350
 cttctttaga tacacgggca caacgccctc acccccacc ggctcccact 400
 acacatctcc ctcgaaaaac atgtggaaca cgggcagcac ctacaacctc 450
 agcagcggga tggccgtggc agggatgccg accgcctatg acttgagcag 500

<210> 215
 <211> 739
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 98, 103, 114, 178
 <223> unknown base

<400> 215
 tggccggatc cctttagaaa tcccttggac cttggacca aggtgtccgg 50
 gcgagagcct tgggatgcac ccggccagag cccatgctgc tgctgctnaa 100
 cgnttgcccc tccttggggg gcccacttg ggcaggaag atgtatggcc 150
 ctggaggagg caagtatttc agcaccantg aagattacga cccatgaaat 200
 cacagggctg cgggtgtctg taggtcttct cctggtgaaa agtgtccagg 250
 tgaaacttgg agactccttg ggacgtgaaa ctgggagcct taggtgggaa 300

taccaggaa gtcaccctgc agccaggcga atacatcaca aaagtctttg 350
tcgccttcca agctttcctc cggggtatgg tcatgtacac cagcaaggac 400
cgctatttct attttgggaa gcttgatggc cagatctcct ctgcctaccc 450
cagccaagag gggcaggtgc tgggtggcat ctatggccag tatcaactcc 500
ttggcatcaa gagcattggc tttgaatgga attatccact agaggagccg 550
accactgagc caccagttaa tctcacatac tcagcaaact caccctgtgg 600
tcgctagggg ggggtatggg gccatttacc gagcggccgc cgtaattggg 650
ccgctggggg atctctcgag aaaagagagg cccaatatga cccacatact 700
caatatggac gaactgatat tgtccacctg ttatgagtg 739

<210> 216
<211> 474
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 92, 120, 205, 214, 238, 348, 353, 358
<223> unknown base

<400> 216
tttccaaaag ttgtgaagga cacctccatc cattcaaggc agttgtcaaa 50
gcagaaattt tcagtgaag tcttgatgtt gccccgtccc cnattcccta 100
catcagaagg atccctcatn tggactccag cgttggcttc ttgatgctgc 150
gcgttcccc attccctaca tcagaatgca tcccgcatcc agactccagc 200
gttgntgctc tacntgcacg ctggtgccaa gtccaagnta ccatactcct 250
gcctgagcta tgacaacagc ctccctcactg atctcccctt tcttcccttt 300
gcctcctcca gctcattttt cacagtgtag aatgacattt tgtttgtntg 350
ttntgtntg tttgagatgg agtctcgctc tgttgcccag ggtggagtgc 400
agcggtgcca tctcggtcca ctgcaacctc cacctcccgg gttcaagcgg 450
attctcgtgc ctgagcctcc tgag 474

<210> 217
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22
<223> unknown base

<400> 217
cacagttccc caccatcact cntcccattc cttccaactt tatttttagc 50
ttgccattgg gagggggcag gatgggaggg aaagtgaaga aaacagaaaa 100

ggagaggggac agagggccaga ggactttctca tactggacag aaaccgatca 150
 ggcatggaac tccccttctg cactcacctg ttcttgcccc tgggtttcct 200
 gacaggtctc tgctccccct ttaacctgga tgaacatcac ccacgcctat 250
 tcccagggcc accagaagct gaatttggat acagtgtctt acaacatgtt 300
 gggggtggac agcgatggat gctggtgggc gcccctggg atgggccttc 350
 aggcgaccgg aggggggacg tttatcgctg ccctgtaggg ggggcccaca 400
 atgccccatg tgccaagggc cacttaggtg actaccaact gggaaattca 450
 tctcatcctg ctgtgaatat gcacctgggg atgtctctgt tagagacaga 500
 tggatgatgg 509

<210> 218
 <211> 291
 <212> DNA
 <213> Homo Sapien

<400> 218
 ctcttaggct ttgaagcatt tttgtctgtg ctccctgac ttcatgtcac 50
 caccatgaag ttcttagcag tcctgggtact cttgggagtt tccatctttc 100
 tgggtctctgc ccagaatccg acaacagctg ctccagctga cagtatcca 150
 gctactggtc ctgctgatga tgaagcccct gatgctgaaa cactgctgc 200
 tgcaaccact ggcaccactg ctgctcctac cactgcaacc accgctgctt 250
 caaccactgc gaccactgct gctcctacca ctgcaaccac c 291

<210> 219
 <211> 266
 <212> DNA
 <213> Homo Sapien

<400> 219
 cgggctttga agcatttttg tctgtgctcc ctgatcttca ggtcaccccc 50
 atgaagttct tagcagtcct ggtactcttg ggagtttcca tctttctggg 100
 ctctgcccag aatccgacaa cagctgctcc agctgacacg tatccagcta 150
 ctgggtcctgc tgatgatgaa gccctgatg ctgaaaccac tgcaactgca 200
 accactgcca cactgctgc tcctaccact gcaaccaccg ctgcttctac 250
 cactgctcgt aaagac 266

<210> 220
 <211> 264
 <212> DNA
 <213> Homo Sapien

<400> 220
 ggctttgaag catttttgc tgtgctccct gatcttcagg tcacccccat 50
 gaagttctta gcagtcctgg tactcttggg agtttccatc tttctgggtc 100

ctgcccagaa tccgacaaca gctgctccag ctgacacgta tccagctact 150
 ggtcctgctg atgatgaagc ccctgatgct gaaaccactg caactgcaac 200
 cactgcgacc actgctgctc ctaccactgc aaccaccgct gcttctacca 250
 ctgctcgtaa agac 264

<210> 221
 <211> 610
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 64, 185, 201
 <223> unknown base

<400> 221
 tgatttttac acaccccagg attttttgga attgaggaga cggttcaaga 50
 gtttagcctt ggantggccc agtatccagg tcgaggttct gcagaagggt 100
 gtgacttttag taacattttt cttctttcgg ggacgtggcc tgcattggcta 150
 tctgctcctg ccagtgtcca gcagccatgg ccttntgctt cctggagacc 200
 ntgtggtggg aattcacagc ttcttatgac actacctgca ttggcctagc 250
 ctccaggcca tacgcttttc ttgagtttga cagcatcatt cagaaagtga 300
 agtggcattt taactatgta agttcctctc agatggagtg cagcttgga 350
 aaaattcagg aggagctcaa gttgcagcct ccagcgggtc tcaactctgga 400
 ggacacagat gtggcaaatt gggatgatgaa tggtcacaca ccgatgcact 450
 tggagcctgc tcctaatttc cgaatggaac cagtgcacgc cctgggtatc 500
 ctctccctca ttctcaacat catgtgtgct gccctgaatc tcattcgagg 550
 agttcacctt gcagaacatt ctttacaggt tgcccatgag gaaattggaa 600
 acattctggc 610

<210> 222
 <211> 612
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 43, 70, 89, 92, 100, 194, 219, 229, 295, 327-328, 330, 334,
 338, 344
 <223> unknown base

<400> 222
 cgaaggcttg ggcggangcg tgggcgcggg agtgcattgg agntttggtt 50
 ccagacttg ccggaccn tttgcttcac ctccagctnt gntgctcctn 100
 tactcttggg tcgagatccc tttggagcca cagcgaggaa ccctgtggtc 150

ctcaggcagg tgtacctga gtcagcccag gagccctctt ttctgtgtc 200
aaagcctgcc ctogggctnt gctcacctnt ggtgacctc ccaagatgcc 250
cctgccctca gtttccccctc atgatctggc ctctgcccc ttctntagcc 300
acagcctttt agtacacttt agcaatnnn accngaanta gttngagtgc 350
cccaattcac caagcaagac atgcagtttc atgcctctgt gccttcgctc 400
atgcttggtt cttccgaact tggaaatgct tccctgctc ctctgcctt 450
gtctgcctgg caagttcatc tctcacgac cctcaaagg cccctcctc 500
caggaaggca acccctgtgc cctccccctc caggetacct ctgcactttg 550
tcaatgcttc tcttggtgca cttatcacac tgtatcttac ttgtttacat 600
gtttgtctcc cc 612

<210> 223
<211> 616
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 1, 21, 224
<223> unknown base

<400> 223
nccaatgcag cctccgggt ntccgcaag aagttccttg ccccgatgag 50
ccccgcctg ggcgtcccca ttatccccag gggggcgtgg ggcaccgggc 100
ccagcgccga cgatcgctgc cgttttgccc ttgggagtag gatgtggtga 150
aaggatgggg cttctccctt acggggctca caatggccag agaagattcc 200
gtgaagtgtc tgcgtgcct gctntacgcc ctcaatctgc tcttttggtt 250
aatgtccatc agtgtgttg cagtttctgc ttggatgagg gactacctaa 300
ataatgttct cactttaact gcagaaacga gggtagagga agcagtcatt 350
ttgacttact ttctgtggt tcatccggtc atgattgctg tttgctgttt 400
ccttatcatt gtggggatgt taggatattg tggaaagggtg aaaagaaatc 450
tgttgcttct tgcattgtac tttggaagtt tgcttgctat tttctgtgta 500
gaactggctt gtggcggttg gacatatgaa caggaactta tggttccagt 550
acaatgggtc gatatggtca ctttgaaagc caggatgaca aattatggat 600
tacctagata tcggtg 616

<210> 224
<211> 639
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 28, 102, 105, 107, 157, 167
<223> unknown base

<400> 224
taagttcctg cattaaaacc atgctgtngc aattgagagc ttagctccac 50
ggttctcaaa gggaggtccc tggccaacag catcagcatc accttgagga 100
cntantngca atgcaaatta tcagggccct tcttcagact cactgaatca 150
gaaaccntgg gataggncca gcacgctgtg ctttaacaag ctctaggtga 200
tgcccaattc atactcaagt gtgaggttga ctggcttatt tgaagggaga 250
gaaaggaaca ggcacatggc gacatatcag catttacaca aggcgtgctg 300
ggtaaccata ggaacacctt tattacggtt aaataggaaa caggcatcaa 350
tgcagagggc ccccaggaga atcaggaagg tcgcgactgt cactgtctga 400
gggcactgtt gtgaaacgat ggccgaaggt gacaaccaca gcaaagtttc 450
aaggaagttc actgaaacgt ggaaaaaccc actcaatgtc ctgctctcat 500
ttatattgag tggcttaagt atttattttc ttggtttttt agaggaaggg 550
agggttggag gattctcaaa gcattcaaaa ggacaccata tgctggcagg 600
aaatattcaa gcttttaatg gaataatgca atggaggtg 639

<210> 225
<211> 704
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 89, 96, 105, 115, 121, 141, 147, 178, 194, 205, 209, 233,
236, 245, 256, 284
<223> unknown base

<400> 225
tacccttggc cacttaagtt ggagaaattt gaaatcaaga agttntcatt 50
ttgaagaagc acgagttcgg aagactttaa catgggttnt tccttnttgc 100
agccngtata ctttntgtca nccagaaact gtattttcat ntcagontag 150
tgacgatgaa tcaagtagtg atgaaccngt aatcagccca gtontgcctt 200
tagangacnc cgtgttagga agaagaccgt ttntgnttca gaatntgaag 250
accggntagt tgctgaacaa gaaactgaac cttntaagga gttgagtaaa 300
cgctcagttca gtagtggctt caataagtgt gttatacttg ctttgggtgat 350
tgcaatcagc atgggatttg gccatttcta tggcacaatt cagattcaga 400
agcgtcaaca gttagtcaga aagatacatg aagatgaatt gaatgatatg 450
aaggattatc tttcccagtg tcaacaggaa caagaatctt ttatagatta 500
taagtcattg aaagaaaatc ttgcaaggtg ttggacactt actgaagcag 550

agaagatgtc ctttgaaact cagaaaacga accttgctac agaaaatcag 600
 tatttaagag tatccctgga aaaggaagaa aaagccttat cctcattaca 650
 ggaagagtta aacaaactaa gagaacagat tagaatattg gaagataaag 700
 ggac 704

<210> 226
 <211> 627
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 30, 46, 51, 66, 90, 95, 179
 <223> unknown base

<400> 226
 ggtccccaac gggccccccg ggtcgggttn ccgcgttggc catgantgcg 50
 nccgtgttct ttcgngtcgc ccttcatttg ccttcgggcn tgcgntcgcc 100
 ctttatgtct tcaccatcgc catcgagccg ttgcgtatca tcttctcat 150
 cgccggagct ttcttctggt tgggtgtctnt actgatttcg tcccttgttt 200
 ggttcatggc aagagtcatt attgacaaca aagatggacc aacacagaaa 250
 tatctgctga tctttggagc gtttgtctct gtctatatcc aagaaatggt 300
 ccgatttgca tattataaac tcttaaaaaa agccagtga ggtttgaaga 350
 gtataaacc aggtgagaca gcacctcta tgcgactgct ggcctatggt 400
 tctggcttgg gctttggaat catgagtgga gtattttcct ttgtgaatac 450
 cctatctgac tccttggggc caggcacagt gggcattcat ggagattctc 500
 ctcaattctt cctttattca gctttcatga cgctgggtcat tatcttgctg 550
 catgtattct ggggcattgt attttttgat ggctgtgaga agaaaaagtg 600
 gggcactctc cttatcgttc tcttgac 627

<210> 227
 <211> 647
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 36, 42, 65, 67, 101, 107, 112, 147, 224, 292
 <223> unknown base

<400> 227
 gaccaagggt ccgggtagnt tacctatatt tggtnatgg tntaattata 50
 gaccaggaaa gagcntntta tgtctccatc ttgatttcg tggcagccaa 100
 ntgcctntat gnatactctc acatcccagc tttttcataa taaatantac 150
 atgctggttg ctctgggatt gttgggaatt ggagcaggaa atgtagcagt 200

<221> unsure
<222> 90, 145, 189, 249
<223> unknown base

<400> 229
ttttcaatgt gccagtttgt ggatgatgaa ttgacttaaa tcgaactaaa 50
ttggaatgtg aatctgcatg tacgaagcat attcccaatn tgatgagcaa 100
tatgcttgcc atcttggttg ccagaatcag ttccattcgc tgaantggac 150
aagaacaact tatgtccctg atgccaaaaa tgcacctant ctttcctcta 200
actcttggtg aggtcattct ggagtgcacat gatggactcc gcacagagnt 250
tcataacctc ttcattggact ttttatcttc aagccgatga cggaaaaata 300
gttatattcc agtttaagcc agaaatccca gtacgcacca catttgagac 350
aggagcctac aaatttgaga gaatcatctc taagcaaaat gtcctatctg 400
caaagtgaga attcacaagc gcacaggaat tttcttgaag atggagaaag 450
tgatggcttt ttaagatgcc tctctcttaa ctctgggtgg attttaacta 500
caactcttgt cctctcgggtg atggtattgc tttggatttg ttgtgcaact 550
gttgctacag ctgtggagca gtatgttccc tctgagaagc tgagtatcta 600
tggtgacttg gagtttatga a 621

<210> 230
<211> 864
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 654, 711, 748, 827
<223> unknown base

<400> 230
tcctgctgat gcacatctgg gtttggcaaa aggaggttgc ttcgagccgc 50
cctttctagc ttctggccg gctctagaac aattcaggct tcgctgcgac 100
tagacctcag ctccaacata tgcattctga agaaagatgg ctgagatgac 150
agaatgcttt attttgaaa gaaacaatgt tctaggtcaa actgagtcta 200
ccaaatgcag actttcacia tggttctaga agaaatctgg acaagtcttt 250
tcattgtggt tttctacgca ttgattccat gtttgctcac agatgaagtg 300
gccattctgc ctgcccctca gaacctctct gtactctcaa ccaacatgaa 350
gcattctctg atgtggagcc cagtgatcgc gcctggagaa acagtgtact 400
attctgtcga ataccagggg gagtaacaga gcctgtacac gagccacatc 450
tggatcccca gcagctggtg ctcaactcact gaaggtcctg agtgtgatgt 500
caatgatgac atcacggcca ctgtgccata caacctttgt gtcagggcca 550

cattgggctc acagacctca gcctggagca tcctgaagca tccctttaat 600
 agaaactcaa ccataccttac ccgacctggg atggagatca ccaaagatgg 650
 cttncacctg gttattgagc tggaggacct ggggccccag tttgagttcc 700
 ttgtggccta ntggaggagg ggcgaacccc ttgcggcgca aggggttngc 750
 gaacccttg cggccgctgg ggtatctctc gagaaaagag aggcccaata 800
 tgaccacat actcaatatg gacgaantgc tattgtccac ctgtttgagt 850
 ggcgctgggt tgat 864

<210> 231
 <211> 595
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59, 62, 82, 121, 425, 446, 523, 563
 <223> unknown base

<400> 231
 tagagcgaca gtggaagggg catgacctc aatgaggacg gccttgtttc 50
 ctgggaggng tntaaaaatt ccaacctacg gntacgtttt agatgatcca 100
 gatcctgatg atggattcaa ntataaacag atgatggtta gagatgagcg 150
 gaggtttaaa atggcagaca aggatggaga cctcattgcc accaaggagg 200
 agttcacagc tttcctgcac cctgaggagt atgactacat gaaagatata 250
 gtagtacagg aaacaatgga agatatagat aagaatgctg atggtttcat 300
 tgatctagaa gagtatttg gtgacatgta cagccatgat gggaatactg 350
 atgagcccag aatgggtaaa gacagagcga gagcagtttg ttgagtttcg 400
 ggataagaac cgtgatggga agatngacaa ggaagagacc aaagantgga 450
 tccttcctc agactatgat catgcagagg cagaagccag gcacctggtc 500
 tatgaatcag accaaaacaa ggntggcaag cttaccaagg aggagatcgt 550
 tgacaagtat ganttatattg ttggcagcca ggccacagat tttgg 595

<210> 232
 <211> 460
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 90, 99, 147, 222, 234, 271, 412
 <223> unknown base

<400> 232
 accgccttca gttactccag gtagccccgt agcattttaa gaacaaaatc 50
 tgtccagtca aagtgatatt cttcaagagc cgttacaggn tactttctnt 100

ccagttactt gtagctcaaa tgcttgcttg gttactaccg atcaggnttc 150
 ttctggatct gaaacagagt ttatgacctc agagactcct gaggcagcaa 200
 ttccccagg caagcaaccg tnttactag ctnttccaaa tectcccatg 250
 gcaaagggct ctgaacaggg nttccagtea cctccagcaa gtagtagttc 300
 agtaaccatt aacacagcac cctttcaagc catgcagaca gtatttaacg 350
 ttaatgcacc tctgcctcca cgaaaagaac aagaaataaa agaatcccct 400
 tattcacctg gntacaatca aagttttacc acagcaagta cacaaacacc 450
 accccagtgc 460

<210> 233
 <211> 660
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 7, 13, 31, 107, 127, 129, 131, 159
 <223> unknown base

<400> 233
 cgggaanccc ganccggttg ccccggggaa nccgtgcggc cctttccgtc 50
 ccgttcccat ccttgccggg gttccagcac ctttgaagtt tttgcagcgc 100
 ccgaaangga ggcgaggaag gagggantnt ntgagaggag ggagcaaaaa 150
 gcttcacnt aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200
 aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250
 ttgttggtgg gattctgctc gtgttccaaa tcatcgctt tctggtggga 300
 ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350
 atgtgtggat gcccgtaaga accatcacaa gacaaaatgg ttcgtgcctt 400
 ggggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450
 agggaaattg aagccaatga catcgtgttt tctgttcaca tccccctccc 500
 ccacatggag atgagtcctt ggttccaatt catgctgttt atcctgcagc 550
 tggacattgc cttcaagcta aacaacccaa tcagagaaaa tgcagaagtc 600
 tccatggacg tttccctggc ttaccgtgat gacgcgtttg ctgagtggac 650
 tgaaatggcc 660

<210> 234
 <211> 564
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 71
 <223> unknown base

<400> 234
 ttgttttccc gggaccttgg tggcagttct gcagccacag aggcagtggc 50
 gattttgaca gccacatacc ntgtgggtca catgccatac ggctggttga 100
 cggaaatccg tgctgtgtat cctgctttcg acaagaataa ccccagcaac 150
 aaactgggtga gcacgagcaa cacagtcacg gcagcccaca tcaagaagtt 200
 caccttcgtc tgcatggctc tgtcactcac gctctgtttc gtgatgtttt 250
 ggacacccaa cgtgtctgag aaaatcttga tagacatcat cggagtggac 300
 ttgaccttg cagaactctg tgttgttcct ttgoggatct tctccttctt 350
 cccagttcca gtcacagtga gggcgcatct caccgggtgg ctgatgacac 400
 tgaagaaaac cttcgtcctt gccccagct ctgtgctgcg gatcatcgtc 450
 ctcatcgcca gcctcgtggg cctaccctac ctgggggtgc acggtgcgac 500
 cctgggcgtg ggctccctcc tggcgggctt tgtgggagaa tccaccatgg 550
 tcgcatcgcc tgcg 564

<210> 235
 <211> 461
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 34, 196-197, 307
 <223> unknown base

<400> 235
 cggacgcgtg ggttttaaaaa ttactcataa tcgntccatt gataatacta 50
 aatttagttt cccctgtctt tagtgtctaa ttgtcagcca gaaaattagg 100
 aatctgttgc acttgatttt taagtaactt atctaaaact atgtgccatt 150
 ttaacagtga gcattactta gttgcatttt ccaaatttat tatttnntca 200
 tttcttaact gtagactatt atttcaaaat tttaaattta gtttttgatg 250
 ttttagagaa atgaagccac agtggcttag cacatctttg tgtttctatt 300
 atttatntat ttttttgaga cagagtcttg ctgtgttgct caggctggag 350
 tgcagtgggtg cgatctcagc tcaactgcaac ctctgcctcc cgggttcaag 400
 tgattttcct gcctcagcct cccaagtagc tgggattaca gacacctgcc 450
 accatgtccg g 461

<210> 236
 <211> 307
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 93
<223> unknown base

<400> 236
gaggtcatct ccatttcac cccgataaat gagtatgcaa ggaacgtttt 50
tataggcatt ttggagatca aagatgggta gaaaagatgc tgntactata 100
aaacttcctg ttgatcagta cagaaaacaa attggtaaac aggattataa 150
aaaaactaaa cctattttac gagctaccaa attaaaagca gaagcaaaga 200
aacagcaat aggcataaag gaagttggcc ttgtacttgc agctatattg 250
gcactactac tggctttcta tgctttcttt tatctcagac tcaccacgga 300
aatgttg 307

<210> 237
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 67
<223> unknown base

<400> 237
cgggggaacc cgagccggtt gcgccggggg aatccgtgcg ggccgcttcc 50
gtnccggtcc caccctngcc gcgctccagc acccttgaag ttttgcagcg 100
cccagaaagg aggcgaggaa ggagggagtg tgtgagagga gggagcaaaa 150
agctcaccct aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200
aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250
ttgttggtgg gattctgctc gtgttccaaa tcatcgctt tctggtggga 300
ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgcggtgaa 350
atgtgtggat gcccgtaaga accatcacaa gacaaaatgg ttcgtgcctt 400
ggggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450
agggaaattg aagccata 468

<210> 238
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 110, 128, 151, 215, 229, 268, 274, 282, 343, 363, 383, 489
<223> unknown base

<400> 238
tccataatga ccgtgtggnt gtccacagcc ccgacagagc cccctgaccc 50
aattgtacca ggtgcggtgc ctgttccagt caccattgtt cgccaaggca 100

ggggacacgn tttcagggac atgtttgntt attgccaaca aaagacagag 150
 ntacgacatc agtattgtgg cccaggtgga ccagaccggc tccaagtcca 200
 gtaacctcct ggatntgaaa aacccttnt ttagatacac gggcacaacg 250
 cctcacccc caccggntc ccantacaca tntccctcgg aaaacatgtg 300
 gaacacgggc agcacctaca acctcagcag cgggatggcc gtngcaggga 350
 tgccgaccgc ctntgacttg agcagtgtta ttncagtggtg ctccagcgtg 400
 ggccacaaca acctgattcc tttaggttcc tccggcgccc agggcagtggtg 450
 tgggtggcagc acgagtgtccc actatgcagt caacagccng 490

<210> 239

<211> 583

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 37, 53, 71, 79, 89, 100, 166, 258, 260, 302, 327, 334

<223> unknown base

<400> 239

ttcccctaata ggggtgtttg acccccatc cgggtgntaa gtggtttttc 50
 ccnatcatcg gccaaattgg nattttcana tccacaggng tcattgggan 100
 tttggggggc cctaatttgt tttagacagg cggggaggca gtttgccaga 150
 aggattctta agtaantgac ccagccctt gccccaccc ctgggggtacc 200
 gagacatggg tagggattag agcaagagtt gagagtcaga ccatccagga 250
 accacatntn tggaccttca gaaggaggac aacatggcct ttggaaagcc 300
 tnccaagtac tggaagttgg accctgntca ggtntatgct agcgggcccc 350
 acgcatggga cacggctgtg cagcagcct ctgaggagta caagcaccgc 400
 atgcacaatc totgctgtga caactgccac tcgcacgtgg cattggccct 450
 gaatctgatg cgctacaaca acagcaccaa ctggaatatg gtgacgctct 500
 gcttcttctg cctgctctac gggaagtacg tcagcgttgg ggccttcgtg 550
 aagacctggc tgccttcat ccttctcctg ggc 583

<210> 240

<211> 546

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 57, 97, 254, 341

<223> unknown base

<400> 240

tttttcaggg agaattttga ggctntgttg agaatcatgc tttggaggca 50

gctcatntat tggcaactgc tggctttggt tttcctccct ttttgcntgt 100
 gtcaagatga atacatggag gtgagcggaa gaactaataa agtgggtggca 150
 agaatagtgc aaagccacca gcagactggc cgtagcggct ccaggaggga 200
 gaaagtgaga gagcggagcc atcctaaaac tgggactgtg gataataaca 250
 cttntacaga cctaaaatcc ctgagaccag atgagctacc gcaccccgag 300
 gtagatgacc tagcccagat caccacattc tggggccagt ntccacaaac 350
 cggaggacta ccccagact gcagtaagt ttgtcatgga gactacagct 400
 ttcgaggcta ccaaggcccc cctggggccac cgggccctcc tggcattcca 450
 ggaaaccatg gaaacaatgg caacaatgga gccactggtc atgaaggagc 500
 caaaggtgag aagggcgaca aaggtgacct ggggcctcga ggggag 546

<210> 241
 <211> 546
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 126
 <223> unknown base

<400> 241
 ggtgatctga aagatagcca aggatttttc agaacacaag aaaaaagagg 50
 gatgaaaagt gaaaaagaaa ttagaagata tggataataa atcccaggag 100
 aggtaatatg catccaatca aacatntaat agaaaatttc ctacagggaa 150
 taaaagaaaa agattcttaa gatcgaaagg gccagttgat agtggtagcc 200
 aggaggaagg agtgggtttt caccagata tatcctgggt aaatttctga 250
 attctgcagc ttacaagaaa attctgaact cttccaggga agaacaagct 300
 atgtacaaag gaataagaat cttattcatt acactaaaga caatgctttt 350
 gatcattgtc tatagctatg tgtattttga acctagaatt ccgtactcag 400
 cccaactgtc atttatgtat gagaacaaaa ttaacttttt ggaatttgca 450
 gactcatatt cttttcgaaa aaaatactgt gggatgtacc aaaacaaaaa 500
 aataagtcaa gaagcaacaa ctcaaggcat aagaaacagt agcgag 546

<210> 242
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 100, 121
 <223> unknown base

<400> 242

ttccagagag cccttgagaa gaccaagggc aaagtgagca tgaggttctc 50
 ctctctctgc ccacctcca cgtccactgc ctctggccgc agacctcagcn 100
 tcgtgatoga tgggagaagc ntggcctacg ctctcgagaa aaacctggag 150
 gacaaattcc tcttccttgc caagcagtgc cgctccgtcc tctgctgtcg 200
 gtgcagcgcct ctgcagaaga gcatgggtgt gaagctgggt cggagcaagc 250
 tcaaggccat gacctggcc ataggtgatg gagccaatga tgtcagcatg 300
 atccaggtgg cagatgtggg tgtgggaatc tccggccagg agggatatgca 350
 ggcagtgatg gccagcgact ttgcagtgcc gaaattccga tacctggaga 400
 ggctcttgat tcttcacggg cattgggtgt actcccgact tgccaacatg 450
 gtgctgtact tcttctacaa aaacacaatg ttctgtggcc tctgttttg 500
 gttccagttt ttctgtggct tctctgcac taccatgatt gaccagtgg 549

<210> 243
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 97, 120
 <223> unknown base

<400> 243
 ttcccagcga ggatcctgtc cctggaggct gtaatttgga gttcgattta 50
 gatattgatc ccaacattta cttggagtat aatttctttg aaacgantat 100
 caagtttgcc ccagcaaach taggctatgc gagaggcgta gatccccac 150
 catgtgacgc tgggacagac caggactcca ggtggagggt gcagtatgat 200
 gtctatcagt attttctgcc tgagaatgac ctactgagg agatgttgct 250
 gaagcatctg cagaggatgg tcagtgtgcc ccaggatgaag gccagtgttc 300
 tcaagggtgt taccctaaca gctaatagata agacaagtgt ttccttctcc 350
 tccctcccg gacaagggtg catatacaat gtcattgttt gggaccggt 400
 tctaaataca tctgtgcct acattcctgc tcacacatac gcttgcagct 450
 ttgaggcagg agagggtagt tgtgcttccc taggaagagt gtcttccaaa 500
 gtgttcttca ctctttttgc cctgcttggt ttcttcattt gtttctttg 549

<210> 244
 <211> 448
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22
 <223> unknown base

<400> 244
 attctttaagt cagttgatcc anttattcat tcatcaaata ttgattgaga 50
 acctactgtg tgccaagtgt tatttttaggc cctgggacca agtaataaat 100
 aagaggacac aggccatgca ctacaggagc ttctgttttc cttggcagag 150
 cagacatggg gcaggggtgt ctgaggggtct cctcaggatg gtgtgggtctg 200
 tgctgggtgt ggttgtcttg acaggttggg cctcatgggc agatgggtacc 250
 tgtcaggcag ggagtgtggg ggcaaccagg atgaacagtt ataagaccat 300
 ttctaatact tgtatTTTTT tttctcctag ggaaaaattg gaagaaaaag 350
 ccaaattata tgaaaaaatg actaaaggag actttataga tgaagaagta 400
 gaggatatgt accttgtgga tttcacacag aagatcatag acaagcgc 448

<210> 245
 <211> 567
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 3, 35, 49, 81, 106, 146, 152, 227, 239, 293, 308, 358, 427, 448,
 476, 480, 566-567
 <223> unknown base

<400> 245
 ggntaccoga aggccaaagt ttttaacaat ttgntttgt aatcaatgng 50
 taattcatga tgaattattt tgactaatgg ntagccgaag gccaaagcttt 100
 taattntaat aggtaatggt cttcttttgt cttattgaaa caatgngaatt 150
 antctgtgca tttcaaagtc actccgatta tgctgtgggt ttattcacat 200
 aagcacaata tgtgtttttat ttataanttc ataacaaant tataatataa 250
 taatttacct tagcagacat gcaaaagctt attcttgtgt ganttacttt 300
 ctttaagnta ataataataa aataaatatg tatcttaaaa atctataata 350
 aaacattnga aattaaagat atgtgctttt tattttgcag atgagttcat 400
 ttgcttctgt agatgtgttt tcagagntag gtacagagga atgtttgnta 450
 ccttttagcgg tgaaaaaaga aagagngtcn agaattttgt tggattgtgt 500
 ttgtgtgtgc atatatttga tatcatcatc atacattgta atctttggac 550
 ttgtaatcat agcctnn 567

<210> 246
 <211> 539
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 33, 100, 115, 153, 158, 185, 194, 263, 273, 286, 325, 371, 400,

404, 410, 454, 458, 485, 508, 539
<223> unknown base

<400> 246
ttcccactgt aatgccaaat gatccatagc ctnttcagat tccttataaa 50
atttaaacca agagaggaga ggaaagggtt aattttctgt aatgaccttn 100
tgcttaatat tcttntagaa aaaggaaagg tgatgagcaa ataaagggaac 150
ttntagantt tacatgacta ggctgataat cttanttttt aggnnttctat 200
acagttaatt ctataaattc tctttctccc tctcttctcc aatcaagcac 250
ttggagttag atntaggtcc ttntatctcg tccctntaca gatgtatttt 300
ccacttgcac aattcatgcc aacantgggt ttcttagggt tctccatttt 350
cacctctagt gatggcccta ntcatatctt ctctaatttg gtccctgatan 400
ttgnttcgtn tcacgttttc ccatttccct gtggctcact gttttacaat 450
cacngctntg gaatcatgat accactttta gtcntttgca tcttccttca 500
gtgtattntt gtttttcaag aggaagtaga ttttaaant 539

<210> 247
<211> 508
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 38, 45, 78, 469
<223> unknown base

<400> 247
cggagcctnt gcaggaggag cttttcggtc ctggccgnga ttttntgcag 50
gccccacgag tgggaggtgc tgagccgntc aggttctccc ttttgccact 100
ggaatcagga gaatgttgca gaggaattgc attcctggta acaagataac 150
ccagcaagac tcagactgct aacccaagga tcaactatta aggccagaca 200
gatgggaccg tgttcagaat tcacacaaaa gctgaaggat ttatggatgc 250
ggatatacct ctggaattgg tgttccattt gccagtcaat tatccttcat 300
gtctacctgg tatctcgatt aactctgaac agttgaccag ggcccagtg 350
gtgactgtga aagagaattt acttgagcaa gcagagagcc ttttgctgga 400
gcctatgggt catgagctgg ttctctggat tcagcagaat ctcaggcata 450
tcctcagcca accagaaant ggcagtggca gtgaaaagtg tactttttca 500
acaagcac 508

<210> 248
<211> 540
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 85, 100, 104, 133, 156, 395, 468
<223> unknown base

<400> 248
tcgggttttc ggagcagttt tcgaatggac agctccgtgg aggaggatga 50
acttatgtta aatgaaggta agagttttgg gcatnttatg cccctttgn 100
tctntgacag ctctgtgtct tgtctttggc ctntatccac ctccctccaa 150
gacaantgat gataagacca gcggctttaa gaaatgtgaa accaagtcaa 200
ttgtgtcatc gtccatcagt gcttttacat tgctgtgat caaaattaat 250
aactgtgtta ttgatgagcc cagtatagat aacatcactg aagatgctga 300
caacctcaaa agtaggtcaa ggaatttgc aatggattcc cttgtgggtc 350
ctttgcccac caccagtga tcttccagc ccgtcagcac agtgntacca 400
aggaataatt ccattgggga gtctgtgtcg agtcagtaca agtcatctat 450
ggctctcgga cctgggngtg gacagctctt gtctcctggg gctgccagaa 500
gacagtttgg gtccaatata tcttgcatt tgctctcgtc 540

<210> 249
<211> 618
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 66, 90, 187, 263, 311, 508, 511, 547, 555, 610
<223> unknown base

<400> 249
tccttacaag gncctgtaa catgacactg ttaatgattg catttggctt 50
gctgtggggg catttnttgc ggatcaaacc cacgcagagn gttttcattt 100
tccaagtgtc tgtccttgtc aagcacaccc cttgtgtcca ggttcctcat 150
gggcagtgtc cggggtgaca aagaaggcga cattgantac agcacctgtc 200
tctcggcat gctggtgacg caggacgtgc agctcgggct cttcatggcc 250
gtcatgccga ctntcatata ggcgggcgcc agtgcattct ctagcattgt 300
cgtggaagtt ntccgaatcc tggttttgat tggtcagatt cttttttcac 350
tagcggcggg ttttctttta tgtcttgta taaagaagta tctcattgga 400
ccctattatc ggaagctgca catggaaagc aaggggaaca aagaaatcct 450
gatcttggga atatctgcct ttatcttctt aatgttaacg gtcacggagc 500
tgctggangt ntccatggag ctgggctgtt tcctggctgg agcgtngtc 550
tcctntcagg gccccgtggg caccgaggag atcgccacct ccatcgaacc 600
catccgcgan ttcttggc 618

<210> 250
<211> 626
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 35, 67, 70, 91, 114, 133, 143, 177, 267, 394, 421, 447, 484,
536, 540, 561, 569
<223> unknown base

<400> 250
caacttacct gaaatgcgct attgaatgca cgnngnggaaa atccttggtt 50
tccaggatga cacctantan tgcagtttga ttggcagaat ngtcgatacg 100
atggctggca aatntcctgg tccctttccc aantgtgact ggngattcaa 150
tgagtttccc aacccagttg cccatgntct ccatgttact tgtgtggagc 200
tcatggcctt ggcagtttca ggcaaagaag ttgggaatgc ccttctaaat 250
gttgtcctaa aaagtcngcc tttagtcca agagagaaca ttgcagcatg 300
gatgaatgca attggtttga tcatcactgc cctaccagag ccatattgga 350
ttgttcttca tgatogaatt gtgagtgtca tcagcagccc cagnttgacg 400
tctgaaacag agtgggttgg ntatccattc cgcctctttg atttcantgc 450
ctgtcatcag tctactctg agatgagttg tagntatacg ttagctcttg 500
cacatgctgt gtggcaccat tttagcatcg gacaantttt tctcattcca 550
aagtttctta ntgaagtant tcttctata gtgaagaccg aattccagtt 600
gctttatgta taccatcttg ttggac 626

<210> 251
<211> 602
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 80, 94, 300, 388
<223> unknown base

<400> 251
gaagggcatt ttcagggagc agaatgacaa gacntattgt caaccttgct 50
tcaataagct cttcccactg taatgccaan tgatccatag cctnttcaga 100
ttcccttata aaatttaaac caagagagga gaggaaaggg taaattttct 150
gttactgacc ttctgcttaa tagtcttata gaaaaaggaa aggtgatgag 200
caaataaagg aactttttaga ctttacatga ctaggctgat aatcttattt 250
tttaggcttc tatacagtta attctataaa ttctctttct ccctctcttn 300
tccaatcaag cacttggagt tagatctagg tcttctatc tcgtccctct 350

acagatgtat tttccacttg cataattcat gccaacantg gttttcttag 400
 gttttctccat tttcacctct agtgatggcc ctactcatat cttctctaata 450
 ttggtcctga tacttgtttc ttttcacgtt ttcccatttc cctgtggctc 500
 actgtcttac aatcaactgct gtggaatcat gataccactt ttagctcttt 550
 gcactcttct tcaagtgtatt tttgtttttc aagaggaagt agattttaac 600
 tg 602

<210> 252
 <211> 455
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 251, 266, 352, 391
 <223> unknown base

<400> 252
 atttgtttgt ataataataat acatatagat agagggggcga taatatantg 50
 gtagacaaaag aatgcaggaa atgcccttat tcatcacacc accaagcagg 100
 cctcacccta aagaccagc aaaagtaaca aaagcacatt tggaaaccca 150
 ggaagccagt aaaagtaaata ctaaaggctg acaggggtgta cattattatg 200
 tatgtgcaat ataaatcaaa ttcaaagctg ttttctctta aattttgata 250
 nttatagaga cagganttgc catggggaat ttctttcccc ttactatata 300
 attttattac tagaaggaaa agtaatagca atgataataa tgaacagact 350
 tngtgtcttt attacatttg ctttcctagt tacctttaga ntgtcacttc 400
 tgagttcttt ctctgacatg cttttctttt ctctggaagc gtcttacatt 450
 ctgac 455

<210> 253
 <211> 461
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 6, 10, 30, 115, 198, 210, 229, 289, 291, 325, 333, 338, 377, 391,
 401
 <223> unknown base

<400> 253
 aatttntatn tacatttgtg ataatatagn tagtgcgtaa gaatatttcc 50
 ccaaggtcag ttaagcaaga ttttcttatg atcatcattg ccatgaactt 100
 tcaaacatag cgatnttgtg aaaacagtgc ctgttaattt acaatgttta 150
 ccttgaacag ttgtcaagtg tgatttttat aaggagttgg tatgtttnta 200
 agcagttatn tacttgatct ttttaatant ggggttaagg gaaacctgct 250

tacagcatca cctatTTTTtC attcaaattgg cacataatng ngcatgtgta 300
 acagttgtgt acctttgttg ggttnttttg ttntttgntt ttctttttga 350
 gacaggggttt cgttctgttg cccaagntgg agtacagtgg ntcgatctca 400
 ntgcaacctc cccccccag gctcaagtga ttctttcacc tcggcctcct 450
 gagtatccgg g 461

<210> 254
 <211> 497
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 19, 191, 232, 304, 340, 342, 357, 400, 403, 423, 447, 476
 <223> unknown base

<400> 254
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 ccccatatgt ctctatgtaa ttgggctgac tggcatcagt ggctctggga 100
 agagctcaat agctcagcga ctgaagggcc tgggggctgt tgtcattgac 150
 agtgaccacc tgggtcatcg ggcctatgcc ccaggtggcc ntgcctacca 200
 gcctgtgggtg gaggcctttg gaacagatat tntccataaa gatggcatca 250
 tcaacaggaa ggtcctaggc agccgggtgt ttgggaataa gaagcagctg 300
 aagntactca cggacattat gtggccaatt atcgcaaagn tngcccgaga 350
 ggagatngat cgggctgtgg ctgagggaaa gcgtgtgtgt gtgattgatn 400
 ccnctgtgtt gcttgaagcc ggntggcaga acctgggtcca tgaggtntgg 450
 actgctgtca tcccagagac tgaggntgta agacgcattg tggagag 497

<210> 255
 <211> 913
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39
 <223> unknown base

<400> 255
 cattatcaac ccagcgccac tcaaacaggt ggacaatanc agttcgtcca 50
 tattgagtat gtgggtcata ttgggcctct cttttctcga gagatacccc 100
 agcggccgca aggggttcgg ggtgataata gatcaatgtg ttggaagtga 150
 tggggatgga gaggcgagtc ccaactggcg tccgcagcag gatgcccate 200
 agagagaagc tggggctttc caggacagca tagaaaggct cccccgggc 250
 tggatgctcc aggaccatcc cttcattctt aaaatgggca acgagaaacc 300

<220>
<221> unsure
<222> 44, 55, 60, 81, 172, 194, 225, 268, 279
<223> unknown base

<400> 257
tggccagaat gtgaatgtat tgaatggagt gagagaagaa atgntgtggc 50
atctnttgn gcaggtatat tgttttttac nggctgggtgg ataattgattg 100
atgcagctgt ggtgtatcct aagccagaac agttgaacca tgcctttcac 150
acatgtgggtg tattttccac antggctttc ttcattgataa atgntgtatc 200
caatgctcag gtgagagggtg atagntatga aagcggctgt ttaggaagaa 250
cagggtgctcg agtttggntt ttcattggnt tcatgttgat gtttgggtca 300
c 301

<210> 258
<211> 545
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 34, 61, 114, 157, 190, 193, 201, 280, 331, 389, 403, 422,
428, 488
<223> unknown base

<400> 258
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agttttattc ntgcctttga aaatgggtcc aaaagtagac cctgtcccca 100
cacagggtcaa gacnacagag aaggctttgt agaaatgtgt cacctatgta 150
cacctgntac ttacacattt cctcttttgg aaaaatgagn tanttagaat 200
nacaagaaaa ttaagacata ctggcctggg gccagcagat ggcttttcta 250
tagacaaact aggttagtgt ggaagatatn ggtaaaaata aactatgctg 300
ttttatttat cttcccaacc tgattggcag ntagactttt ttagggctctc 350
atttaattggc cctgtttttt tcattattat atttaatgnt agggcaggat 400
ttngtatgca agctcttggt tntcaggntg cctgcagaag aagtcgctat 450
aaattatctg ttgtctacat ggtacaaggc ccattganc atctgatgct 500
tgttttgtta atttctttaa tatttttata acgggggcagt gggag 545

<210> 259
<211> 535
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 27, 30, 35, 177, 190, 212, 238, 272, 303, 386, 514
<223> unknown base

<400> 259
 aatggcggtg tntacagtgt tctgganttn gtcgntgatg cttgctctgt 50
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 ttttacagag gtgacagccc aacagattcc caaaaggaca tgattgaaat 150
 ccctttgcct ccatggcagg agagaantga tgaatccatn gaaacccaaa 200
 gagcccgct gntctatgag agcagaaaaga ggggaatntt ggaaaagtgc 250
 caggtagtgg agtaaaaaag gngacagttt atttttttat tctatgtgca 300
 canttacagt atacatatat atttatatca caatttacga aaccaaaaag 350
 ttgagtttcc aatggaaccc ttgtttttta ataatngact ttttaaagt 400
 gatcaagact ataatatgt acagttatta tagggctttt ggggaagggg 450
 aggatagcga gaagatgctc tgggggtttt gtttttgctt ttccttcagg 500
 gttttatttt tgantgtttt gttttcttgt tggcc 535

 <210> 260
 <211> 519
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> unsure
 <222> 11, 69, 150, 224, 229, 254, 354, 371, 396, 420, 429, 433, 475,
 483, 486
 <223> unknown base

 <400> 260
 tggatttata nttttcttct atgtagttac tataaaagtg tgctggattt 50
 gaccaatcct taccoccant ataaagagaa cccgtgatga ctttagttta 100
 aaaattgtgg aaattgtgga gcaatttttc tcacaatgtg agaaaaattn 150
 taaaccatat tagataatgt ggaagtcata ttgtctatca tatatactgc 200
 catttaaaaa taggttttta aaanttagnt aagtcttaag taatttgccg 250
 ttgntaataa ttttatctcc ttgagtcggt tggtggggag agatgttata 300
 ttcaataatt tttagttatt ttgtaatgca gagtgtttat tcatttcaca 350
 gttntgcaat ggatgtagta ntttgggatt gccctgtcca gaaaantttc 400
 aggtacacac ctttaaagggn aaatgtttnt atntcagatg aaacatgtaa 450
 tttgggatgg ttcttccttt gtcanttaaa ggnagntagg aaaagtctct 500
 taccactttt aaacatgag 519

 <210> 261
 <211> 407
 <212> DNA
 <213> Homo Sapien

 <220>

<221> unsure
<222> 30, 40, 58, 102, 104, 148, 171, 190, 201, 226, 243, 295, 302,
332, 360, 380, 383
<223> unknown base

<400> 261
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atccacacntg agaaccatgc tcaccgaccc tggggcagta cccaaaggaa 100
angntacgaa agaatacatg gagagcttgc agctgaagcc cggggaantc 150
atttacaagt gccccaaagt ntgctgtatt aaacccgagn gggcccacca 200
ntgcagtatt tgcaaaagat gtattnggaa aatggatcat cantgcccgt 250
gggtgaacaa ttgtgtagga gaaaagaatc aaagattttt tgtgntcttc 300
antatgtata tagctctgtc ttcagtccat gntctgatcc tttgtggatt 350
tcagttcatn tcctgtgtcc gagggcagtn gantgaatgc agtgattttt 400
cacctcc 407

<210> 262
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 35, 37, 64, 182, 211, 263, 329, 398, 410
<223> unknown base

<400> 262
cattcttgaa ccacttaatc ctctnttgac aacantngta gaacagaatc 50
ctgaagatat gggngaccta tacctagatg ttgctgaagc ttttctggat 100
gttggtgaat ataattctgc acttccctc ctcaagtgtc ttgtttgtc 150
tgaaagatac aaccttgac tagtttggt tngtcatgca gaatgtttaa 200
aggccttagg ntatatggag cgagctgtg aaagctatgg caaggtgggt 250
gatctggccc cantccattt ggatgcaagg atttcacttt ctacccttca 300
gcagcagctg ggccagcctg agaaagctnt ggaagctctg gaaccaatgt 350
atgatccaga tacttttagca caggatgcaa atgctgcaca gcaggaantg 400
aagttattgn ttcacgttc tactctgttg ttttcacaag gcaaaatgta 450
tggttatgtg gataccttac ttactatggt agccatgctt ttaaaggtag 500
caatgaatcg agc 513

<210> 263
<211> 650
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 62, 71
<223> unknown base

<400> 263
ttgagacctg gatgaacaaa tttatatcct ttccttngag gaagaagcac 50
tccagagacg antaaatggg ntgtcttcat cgggtggaata caacataatg 100
gagttggaac agaacttgaa aatgtaaaga ctcttaagac aaaattagag 150
aggcgaaaaa aggcttcagc atgggaaaga aatttggtgt atcccgctgt 200
tatggttctc cttcttattg agacatccat ctcggtcctc ttggtggctt 250
gtaatattct ttgcctattg gttgatgaaa cagcaatgcc aaaaggaaca 300
agggggcctg gaataggaaa tgcctctctt tctacgtttg gttttgtggg 350
agctgcgctt gaaatcattt tgattttcta tcttatggtg tcctctggtg 400
tcggcttcta tagccttcga ttttttgaa actttactcc caagaaagat 450
gacacaacta tgacaaagat cattggaaat tgtgtgtcca tcttggtttt 500
gagctctgct ctgcctgtga tgtcgagaac actgggaatc actagatttg 550
atctacttgg cgactttgga aggtttaatt ggctgggaaa tttctatatt 600
gtattatcct acaatttgct ttttgctatt gtgacaacat tgtgtctggt 650

<210> 264
<211> 441
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 79, 106, 160
<223> unknown base

<400> 264
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ctcccggggt caagtgatec gcctccctng gcctcccaga gtgctgggat 100
tacagncacg gaccaccatg ccagcctcc acatcttttt ttgactgtg 150
tatactcttn tgagacatgc caacttcctc caggtcaaga aaggggtata 200
tagctctcag cttcactctt tcagggtga tgtgccttt gccttttctc 250
acttactga cctgtctatt cctacaactg tctctttcta gagaagcctc 300
aatgatcagg attgacaggc cacactctcc cccaccattt tttctcctc 350
cttcaagcct cttgtctgtt tcacctctt ccaccttgga ggctgaggtc 400
ttatttgact cttcacctga attgaccttc ttccttccca c 441

<210> 265
<211> 201
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 39, 67
 <223> unknown base

<400> 265
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 tatttcctcc tctctgnttt ttttttaatt cctgtcttg ggaatcctgt 100
 tatcctgata tgagcactct acttctattc tccatagcac ttagtcctt 150
 taaaaatatt ctctttgttc tctacttctg ccttctggga gagtttctca 200
 g 201

<210> 266
 <211> 301
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 94, 128, 146, 167, 232, 257
 <223> unknown base

<400> 266
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 gtcaagtctg tttgtttgct tcttcagaaa tgttttttac aatntcaaga 100
 aaaaatatgt cccagaaatt gagtttantg ttgcttgat ttggantcat 150
 ttggggattg atgttantgc actatacttt tcaacaacca agacatcaaa 200
 gcagtgtcaa gttacgtgag caaatactag anttaagcaa aagatatgtt 250
 aaagctntag cagaggaaaa taagaacaca gtggatgtcg agaacggtgc 300
 t 301

<210> 267
 <211> 700
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 61, 67, 132, 134, 150, 183, 194, 197, 238, 355, 424, 431,
 449, 465, 470, 478, 507, 509, 523, 527, 529, 533, 560, 578, 614,
 644
 <223> unknown base

<400> 267
 gggccagat tgcgaaattg aggcnccaag gggccgaga cggactgaag 50
 catttcaagg ntccgnggg ttcccatgat ttgaacggag tcgtttcccc 100
 taatgggtgt tttgacccc atcccggtgc tnannggtt tttccccatn 150
 atcgcccaac atgggcattt gaaatccaca ggngtcattg ggantngcg 200
 ggcccctaat ttgtttcaga caggccggga gggcagntg gccagaagga 250

ttcttaagta actgaccag ccctttgccc ccacccttgg ggtaccgaga 300
 catgggtagg gattagaggg aagagtggag agtcagacca tccaggaacc 350
 acatnttttg accttcagaa ggaggacaac atggcctttg gaaagcctgc 400
 caagtactgg aagttggacc ctgntcaggt ntatgctagc gggcccaang 450
 catgggacac ggctntgcan gacgcctntg aggagtacaa gcaccgcatg 500
 cacaatntnt gctgtgacaa atnccantng cangtggcat tggccctgaa 550
 tctgatgcgn tacaacaaca gcaccaantg gaatatggtg acgctctgct 600
 tcttctgcct gctntacggg aagtacgtca gcgttggggc cttngtgaag 650
 acctggctgc ccttcacct tctcctgggc atcatcagcg gccgcgtaa 700

<210> 268
 <211> 253
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 49, 120, 181
 <223> unknown base

<400> 268
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 aagcatattc taaatactat gtgatgaatt atttctctta tgttaaaaaa 100
 aatattaatt tggacccaan tatgactgtg ggtattctgc ccaggggaaga 150
 agagctagga ggtttaaacc ttaccttga nttgctgctt tgttttctat 200
 gccttcttga cagaaggatt tatttcactt ccgaaatatt agccataatg 250
 ccc 253

<210> 269
 <211> 659
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 20, 33, 58, 200, 240, 403
 <223> unknown base

<400> 269
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 aataggnta ccaggggaaa caggcatcaa gaaaattgcc ccaattttta 100
 aaacaatagg gttatttgag tagttgagtt taagaaatga aaaccacaaa 150
 ttttgggtga acttaaacac cacagtctat ttgtgtgtaa tttctcaggn 200
 tttattatag ttcatgataa aatcaatttt ccatgtctan tttgtttttc 250
 ttcaacaagt gatctatctt ttacaaaagg gaatatattg ctggagaaat 300

gctcattggt tcccttctgt atgtctttga gggtaatgct aaaagcaage 350
tcaaatttca aaatatgtta tttttaaaat attttatata ggatttggtta 400
aanttatagt tttcaaggat tgtcttttgt ttctttggat tctgattaag 450
tgatttttaa tgtattcctt taaaaatatt tattggcaca ttgtatttgt 500
acatatgat gggataaaat tgatgcttct gtacatatat atttggcata 550
atcatcaaat ttgggtatth agcttattca tcacctcatt catttatcat 600
ttctttatgg tgagaacatt caaaagtctc tcttcagct attttataat 650
atattatac 659

<210> 270
<211> 628
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51, 106, 111, 120, 140, 378, 513
<223> unknown base

<400> 270
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ccttgnacat ntcaacattn ttgaaccact taatcctctn ttgacaacac 150
tagtagaaca gaatcctgaa gatatgggag acctatacct agatgttgct 200
gaagcttttc tggatgttgg tgaatataat tctgcacttc cctcctcag 250
tgctcttggt tgctctgaaa gatacaacct tgcagtagtt tggcttcgtc 300
atgcagaatg tttaaaggcc ttaggctata tggagcgagc tgctgaaagc 350
tatggcaagg tggttgatct ggccccantc catttggatg caaggatttc 400
actttctacc cttcagcagc agctgggcca gcctgagaaa gctctggaag 450
ctctggaacc aatgtatgat ccagatactt tagcacagga tgcaaatgct 500
gcacagcagg aantgaagtt attgcttcat cgttctactc tgttgttttc 550
acaaggcaaaa atgtatggtt atgtggatac cttacttact atgttagcca 600
tgctttttaa ggtagcaatg aatcgagc 628

<210> 271
<211> 585
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 71, 76, 86, 91, 162, 220, 269, 281
<223> unknown base

<400> 271

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 44, 60, 107, 114, 234

<223> unknown base

<400> 273

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ttggacnctt actnaagcag agaagatgtc ctttgaaact cagaaacgaa 150
ccttggtaca gaaaatcagt atttaaggcc cagaacttat tgaaagcgca 200
atgtacttct accgtgccac gggggatccc accntcctag aactcggaag 250
agatgctgtg gaatccattg aaaaaatcag caagggtggag tgcggatttg 300
caacaatcaa agatctgcga gaccacaagc tggacaaccg catggagtcg 350
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atggggagtg catcctgggg gctggggggg acatcttcaa cacagaagct 500
caccccatcg accctgccgc cctgcactgc tgccagagggc tgaaggaaga 550
gcagtgggag gtggaggact tgatgaggga attctactct ctcaaacgga 600
gcaggtcgaa atttcagaaa aacactgtta gttcggg 637

<210> 274

<211> 697

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 59, 66

<223> unknown base

<400> 274

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gattgtctnt gcttngtgag ctaacagggg tgtcaagctt ccattttggt 100
atctacttct aaatacactc agaccaggag aaatttggac taattttcaa 150
actacagaca ctttctaata atgatgcatt tcaaaagtgg actcgaatta 200
actgagttgc aaaacatgac agtgcccag gatgataaca ttagcaatga 250
ctccaatgat ttcaccgaag tagaaaatgg tcagataaat agcaagtta 300
tttctgatcg tgaaagtaga agaagtctca caaacagcca tttggaaaaa 350
aagaagtgtg atgagtatat tccaggtaga acctccttag gcatgtctgt 400
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gtgacattgc tgtctatata ttcaataaac ctctattga tctgttcaaa 550
 agaaacaggc tgcattggtgt atgaaaagct gggggaacaa gtctttggca 600
 ccacagggaa gtctgtaatc ttggagcca cctctctaca gaacactgga 650
 gcaatgctga gctacctctt catcgtaaaa aatgaactac cctctgc 697

<210> 275
 <211> 621
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 48, 82, 136
 <223> unknown base

<400> 275
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 ggtgtgctct acgtgaccaa ttccacctg gntggggcaa ggtctacttc 100
 gcctatttta ccaacacgtc cagttagagt acacgnacgt gcccttccac 150
 aaccagtatt cccacatctc gatgctggat tacaaccccc gggagcgcgc 200
 cctctatacc tgggaacaacg gccaccaggt gctctacaat gtcaccctgt 250
 ttcacgtcat cagcacctct ggggaccctt gagccaatgc tgtggctcgg 300
 gctgctgcct ggggggcctc cgggggctgg gggccctttt cattctgcct 350
 gtgtccctca agggatgatc ctctgtctct gtcacgcctt ttctccccgc 400
 ctttttgctg ggcttttggt ctctgcctat gtatttctgt ctattttttc 450
 aatttccctt cttctccttt attgatctct gcttttaata caccacttct 500
 ttctttctgc ctttttatgg atgtcttttt ctttttatgg ctctggttct 550
 ccagttcttt cgtctctgc ctctctctgt ctctctctct ctgtccttcc 600
 accctccct ccttgcctcc c 621

<210> 276
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 5, 28, 71, 73, 86, 126
 <223> unknown base

<400> 276
 cgaangcgtg ggtgtgcatc cgggtgntg aaggctgtgc ccgttttggt 50
 tcttggttaa aatcggggga ntnaggcggg ccggcncggc gcgacaccgg 100
 gctccggaac cactgcacga cgggntgga ctgacctgaa aaaaatgtct 150
 ggatttctag agggcttgag atgctcagaa tgcattgact ggggggaaaa 200

<223> unknown base

<400> 278

ttgggtttttc tgttcctgng ttagtttgct gacttaagag gatacagact 50
tgaggtataa tttgtcttag tcagttttgt gttgctataa cagaatacct 100
gagactaggt aatttataaa aataaagttt atttggctca tgattntgga 150
gctggaaagt cnagattggg cagcccatat gatgaggggt gcacacttnt 200
tcnatttatg gcagaaagtg gaaanggaag cagggtgtgtc caaanagaca 250
tgcaggagag gttggagtca ntgctctctc aggaantaat tcattctnta 300
gagagtgaga actcacttaa ctnttgcnag agggcattaa tctattcacc 350
catgaaacna acacctnca gtagactcca ccatttaaca ctgccatatt 400
gggaatcaaaa tttcaacatg agttttggca nggg 434

<210> 279

<211> 335

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 140, 178, 241, 244, 247, 264, 314, 321, 326

<223> unknown base

<400> 279

cctttggaaa ctgggattaa tgtatgctct agatccattt attagaaatg 50
caaaaatact acaatttttt gatggatgaa aatactcctg taacacaaac 100
agagaactgg aggaactgaa gaataactca ctcatatagn tctgcctcat 150
tctgtgtgtg tgtgcatgtg tgtgttanca gaggtatttt actcagaaaa 200
taggtttcaa agaacattaa tgactttctt ttccctttta ngntngntta 250
atcagttaaa ctgntatggg aaaagtttta tagaactata taacctgaat 300
gttggtctct ttgnacacat ntttntatg actgc 335

<210> 280

<211> 254

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 29, 135, 140, 143, 163, 190, 207, 209, 219, 221, 241

<223> unknown base

<400> 280

tgtggtccta atatcataga tcactttana tgtgatttgt ttcagttggt 50
gacacttgcc tgcacggaca ccacatcct gggcctttta gttaccctca 100
acagtgggat gatgtgtgtg gccatctttc ttatnttaan tngtccctac 150
acgggtcatcc tangtccct gaagttttac agctttaaan ggcggcacia 200

agccctntnt acctgcagnt nccacctcac ggtggttgta ntgttctttg 250

tccc 254

<210> 281

<211> 402

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 96, 205, 265, 331, 334, 337 .

<223> unknown base

<400> 281

tggttccagg tcaccatcct tagcntcaaa ttcataaaat ggttgcttct 50

acctccagcc tgatatcctt gtgatgggca ggcagaacca gggctntaag 100

gaaaggagcc agcacctgta tcaagaagcc aaagccttcc ctgaaatctt 150

tagcagacgt ctgcttggtga ctatttggct agaactttgt gacatggcca 200

ctcctngctg caaggacatt tacagttttt cagttggggc cattgccacc 250

ctgagcaaag ggtcnataag gaagaagacg gagagtggac atgttgggca 300

ttcacctgcc agcactccat ccagacagcc ncanaantgg tgggtaaaca 350

gagacagcat acattcaactt atcaactggt tagtaaattc ctggcatggg 400

ca 402

<210> 282

<211> 515

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 176, 217, 231, 253, 282, 287, 337, 350, 352, 364, 403, 452

<223> unknown base

<400> 282

agcccagatc caggaacat tcctatttca ggattttgaa tgcaaaactt 50

accttnttac tctaaagatg aatgtcaggg agagatttat tcaaccctga 100

gatttttgca gtctccttca gagtcacaga atagattaag gcctgatgat 150

actcaaaggc ctgggaaaac tgatgncaaa gaattttcag tgccttgga 200

cctcattgca gtgactnttg ggatcctctg nttacttctt ctgatgatag 250

tcncagtgtt ggtgacaaat atctttcagt gnattcnaga aaaacatcaa 300

cggcaggaaa ttttaagaaa ctgtagtga aagtaantca tgcaaatgn 350

cnactactta aanagcaga ttttgacaaa taagacttta aaatatgacg 400

ttntcaaaaa tagctttcag cagaaaaagg aactggattc acgccttata 450

cnaaagaaca gatgtcatag agaaaatgag atcattttta aagttttgca 500

aaatacaggc aaatt 515

<210> 283

<211> 433

<212> DNA

<213> Homo Sapien

<400> 283

aggaatgacc ttcttcaggg ggctgaggat accccacagg cctcctttct 50

ctccagctcc agggtttgac tatgcaccta tttaggggct gcttgctcaa 100

gggagagagg tacaggaggt ggtctgggaa aaacaaaatt gatcttccta 150

tcaattgtat ttttgtttag cggaatctat acacacccat ttctttggat 200

attattttcca gttactccag ctaatccaaa taatgatatt tgcctcagt 250

taagaacaga ttttattttt aggaacagaa gtctagtagc agttttgctt 300

tttattaacg ttttaaggaa catttacctt agatatcatg attcttgggc 350

at ttgcaaaa tgcagtcaat atcaaacagc aatgggttgc tgttttatga 400

tgggtcagaa tttgtccctt atattaattt cag 433

<210> 284

<211> 496

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 83

<223> unknown base

<400> 284

gccccgagtt tctgtgcag gttgcgagga aagggcccta ggctgggtct 50

gggtgcttgg cgggggcggc ttctccccg ctngtcctcc cggggcccag 100

aggcacctcg gcttcagtca tgctgagcag agtatggaag cacctgacta 150

cgaagtgcta tccgtgcgag aacagctatt ccacgagagg atccgcgagt 200

gtattatata aacacttctg tttgcaaac tgtacatcct ctgccacatc 250

ttcctgacct gcttcaagaa gctgctgag ttcaccacag tggatgatga 300

agatgccacc gtcaacaaga ttgcgctcga gctgtgcacc tttaccctgg 350

caattgccct ggggtgctgc ctgctcctgc ccttctccat catcagcaat 400

gaggtgctgc tctcctgcc tcggaactac tacatccagt ggctcaacgg 450

ctccctcacc catggcctct ggaaccttgt tttctcttc tccaac 496

<210> 285

<211> 566

<212> DNA

<213> Homo Sapien

<220>

<221> unsure
<222> 12
<223> unknown base

<400> 285
athtagattt gnatctcttc ccatcaatca tgaatacata aggtaaatatt 50
ttatagttgg aaagcattgc ttaatataatt gaatcaataa aaatattgat 100
ttcatataatt taatTTTTtTaatctttaca gattacaata ctgtgatgag 150
actgttcctg taactTTTTga tccacacaca gaatttcttg gtcctcagaa 200
gaaaacagaa caagtccaaa gagacattgg attttggtgt ccaaggcatc 250
ttaagacttc tgggggacaa ggatataagt ttctgggaat tgaccagtgt 300
gcgctccat gccccaacat gtatttttaa agtgatgagc tagagtttgc 350
aaaaagtttt attggaacag tttcaatatt ttgtctttgt gcaactctgt 400
tcacattcct tactTTTTta attgatgtta gaagattcag ataccagag 450
agaccaatta tatattactc tgtctgttac agcattgtat ctcttatgta 500
cttcattgga tttttgctag gcgatagcac agcctgcaat aaggcagatg 550
agaagctaga acttgg 566

<210> 286
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 46, 111, 121, 176, 185, 212, 221, 236, 239, 267, 308, 329,
371, 393, 399, 405, 412, 417, 423, 427, 486, 490, 495, 517, 524,
531, 533, 544
<223> unknown base

<400> 286
cgtaaanacg agcctgccag taaatgtagc catcatgttc agtaanggcc 50
ttgcaaaaca gattaccctt tcaccttttc acttaattgt ctacctatga 100
atcattaatg ntttggtttg nttttaattc tgtgataggt aggaaaggat 150
ggaactcctt ggcagactag tgttanaaaag ttttngaagc agggtgagtc 200
ttgtaccttt gnggtcctgt ntcacagaca cctgtntant ccctgaccct 250
tttaaagtgt aactttntgc ctgtaggaaa tcttcctttt gtgcttaggt 300
ctttttcntc tgtgagcttt agataaacna cctagtgttt aaacttttta 350
ataagggatt ctttttttaa nacatgagaa ttcatttcaa aantttgnt 400
ttagntatTT antttantct acntggntct ttttcagaca gatgttctct 450
cctggattgt aaaagtcgaa ttcaaaggat ttttanttgn aatanactta 500
acctttctct tgtaagntgc catntgtgta nanacagctt tgantgcctg 550

acaagaggaa aatgtttccc 570

<210> 287

<211> 556

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 80, 179, 195, 203, 263, 304, 310, 313, 427, 437

<223> unknown base

<400> 287

aactgtcttt aatggcccag ttttaccagg gcttggtgtn taaggacatt 50

aacttgtgct cccctcaggg atgggtttan tactagctgt cagaaagcta 100

ttgggtatcc taatgtgtta atagctgaaa ctcagctgta atttctccta 150

aatacttcag cattttgcat tctgtacant gtggtgcttt ttcnccttg 200

tantgttcta actgtaagct cctagggggc agcaatttgg ataaatcttt 250

tggttaagtag ttntcaataa aatatcttcc ctccccatac ccctaccga 300

aatnttatan tgntctttac aaaactttgg tcaagagtag aaatatatcc 350

aggcagatgt atatgccata caatagcaag aacagtaaag cccaactaat 400

gattttgagt tttaaaaata gaaggcnatt aaaatgnact caaagttaca 450

ttaagaaaag ctttcacggg ggtaatatg aaacagtcac aaaggttaag 500

aaaatactga tagcagtttt tgtctatttt aacattgtag tcatttgtac 550

tttgat 556

<210> 288

<211> 594

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 73, 113, 215, 252, 257, 263, 267, 269, 277, 287, 293, 297, 302, 310, 457, 506, 521, 554, 584, 591

<223> unknown base

<400> 288

ggattttcgt aagtagttta gagatagtca cattttaaaa atttaagatc 50

aagcaaatga agcttatttt tangtattca tagtataaaa gaccttcagt 100

aaataggtaa tanttttggtt ttattctaga aaacagctcc ttgaacacag 150

tgagctggct tttcacacat tgcagttggt agtgtttact gcccttgcca 200

ttttaattat gaggnataaag atgtttttga caccgcacat gtgtgttatg 250

gnttcntga tangctntng acagctnttt ggctggnttt ttngcanagt 300

tngttttgan aaggttatct ttggcatttt aacagtgatg tcaatacaag 350

gttatgcaaa cctccgtaat caatggagca taataggaga atttaataat 400

ttgcctcagg aagaactttt acagtggatc aaatacagta ccacatcaga 450
 tgctgtnttt gcagggtgcca tgcctacaat ggcaagcatc aagctgttta 500
 cacttnatcc cattgtgaat natccacatt acgaagatgc agacttgagg 550
 ggtnggacaa aaatagttta ttttacatat agtngaaaat ntgc 594

<210> 289

<211> 713

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 70, 96, 106, 113, 119, 134, 227, 299, 384, 421, 430, 454, 464,
 546, 556, 561, 597, 616, 622, 667, 673, 712

<223> unknown base

<400> 289

tcccttaatt ccatagaccc cgaagggggt tccccgggtt ggaatccatt 50
 aaatccgggc cagggttgn tcccggtggt taggattggg ggttanaaat 100
 aaaaantcag gtntatttnt taccagtcag tacnattttt aaagaatgta 150
 cttggtatat aatatatgga cttcaggaac tttattgggg tgggggggta 200
 attttgcctt accctgttca ctttcanatg attaggcttt tgcactttag 250
 aatgagaaac ttgtgacgtt agtgtgttct tactagcttt aatttgtang 300
 tagcaatgaa ttgtgaatct tagtgcatg gggtttttta aaaaactcaa 350
 aaagctggga attaagtggt ttcagtaata atgntatacc gaggtgcttg 400
 cattgtattt cataattttg ntacaaaccn aaattatttt taatgagaac 450
 agtnttgggt tcanaggtgt gatgccagaa tgtattttcg tactgttagg 500
 cccttggAAC agatatcggg gctttttgaa agatgaaaga aatgcnatgg 550
 gtgctnttca ngcaagggtg caaacctacc aagaatgcat aatagtntca 600
 cttttcccca ataaanagat gngtgtgact agttttggac ttttaacctt 650
 aatggggggt gcatgtntcc tantgttaat cattgtcagc tgcagtgaca 700
 tgatccacag tnc 713

<210> 290

<211> 687

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 38, 49, 71, 81, 191, 257, 270, 276, 323, 343, 385, 407, 416,
 436, 463, 468, 501, 533, 544, 557, 569, 576, 579, 588, 591, 594,
 600, 605, 649, 682

<223> unknown base

<400> 290

gacttgggaag aattggacct agtggntaga cccaaggnc aaagccaana 50
attcgtgggg ggcccaggaa ncaggaggtc ncatgggatt ccagacataa 100
gatcaggttt taacccccctt tggcccaaatt tttggctgaa aatgttgaat 150
tatcaactct gaaattaaaa agaaagtta tattaataca ntgcaatttt 200
ccttagaatt tctgtatata ttaacatcat gaatgataaa ttctcttcaa 250
tgtgcangtc aggtttttgn acttgnatat caaatctatc tgttgttatg 300
aagtgtatgt ttattgaaat acnagatatt taagaagctg atntggaaag 350
ttggattttc attctagttc ctaattccca gaggnntttt taaaggaagg 400
gaatgtntgt ggtacnccag ttgtcagctg ggtggntact ggatcatctt 450
tcttttatca acnagatnaa ctatcaactt caccagcatc atgaaccttg 500
ntgccgtaaa aaggagttca ctacttctgt tcnctttgag tctnttcaaa 550
tggattntgt gtcctcctnt ggagtntgng ccatttantg nttntgactn 600
ttccnctaag ccagagaatg atgatggagg aaattatgaa atgttcacnc 650
gaaaatttgt ttttcgacct gaactgtttg angtcac 687

<210> 291
<211> 673
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 34, 66, 97, 187, 229, 263, 309, 314, 346, 397, 448, 451, 463,
487, 491, 536, 563, 575, 608, 618, 625, 636, 656, 666
<223> unknown base

<400> 291
aaccatggg gccaaagtcaa aagccncag gtntccagg caagggcatg 50
ggcatggggt taggancagt gaacctggaa gtaatccag ccctgcngtc 100
attagtgtgt tacctcaggt aaaggggggg aacctacag gactgttaca 150
aggattaaat gaaggaattt aagtgtgtgc atgtatntgg catgtagaaa 200
atacagtgtg gtggggagag aacagattnt agaaccagac tgctgagtt 250
caaatcccag ttntgctgct tcttggtgt gtgacctgg gcaaatcact 300
tagcctgtnt gggnttcaga tttctcatct gacaatgaag ataataaat 350
acctatcttt atggtttag taaggattaa atgaattgaa ataaagnttt 400
tagattaata cttgatatgc tacataggtg tcagccattg ttaatcantg 450
ntgtcattat agntattatc aacatgatta tttgctntaa naggaactca 500
ggcatttgca ggggtgtggg aacctgagc tgggtntccc ctgttgggtg 550
ttgtgtcccc atnataccct taggncaacc caggtcaggt cagggggatg 600

tgcccttntt ttcttggncg aggtntgtta ggccancagc tttgcctcat 650

acgtgngcag caggtngtta tgg 673

<210> 292

<211> 663

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 54, 71, 73, 89, 104, 137, 142, 177, 308, 409, 423, 430, 451, 468, 503, 551, 558, 581, 598, 622, 629, 632, 660

<223> unknown base

<400> 292

ctaaccccag ttgaattttt ggagcttggt ggatttgccc attgccagcc 50

caantatggt ggggaaaagt ntntgagtgt cattttgcnt gttgaagctc 100

tggntaatgt gattattgat ctgagaatga atctttntta gntattccaa 150

acttagttat ttttgcagtt ttggtanttt ttctctcatt ggaactccca 200

aaaatccgat tgcttttgcg tgttttttta tttgcctgat aactgatcct 250

ttccttgaca tttatttttag tggactttca gtaactgaaa gatggaaacc 300

ctttttgnac cgtggaagaa tttgcagaag acttttcagtc gtttttgctg 350

gaatgattga gcttacattt tttattcttt ccgcattcaa acttagagac 400

actcacctnt ggtattttgt aanacctggn tttccattt ttggaatttt 450

ntggatgatt tgtcatanta tttttctttt aactctttgg ggattccata 500

ccnaattaaa tgactgccat aaagtatatt ttactcacag gacagattac 550

natagccntg atagaatcat ggcacccaaa nggatgcgcc atttttgntt 600

gatttcagag cagttggtgt tntttagtnt tnttgcaaca gcgatttttg 650

gagcagtttn ccg 663

<210> 293

<211> 603

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 22, 44, 90, 108, 124, 171, 351, 376, 378, 389, 396, 453, 477, 507, 518, 524, 541, 587

<223> unknown base

<400> 293

tccaggattt ttctccctgg tntaagggtcc tggttcacac ccnaggaac 50

cagtttggtc ctgggcaagc cactgcctat aggataaggn aagatcaa 100

aatcatntc agggagaaca agnccagcc ttctctctct attcactcaa 150

acacaccacc caagcaccca ntttggccag actctgtgat ggtccctgcc 200

ctcaaaggac tgttcatggt ctagagatga aagagcccag tcaacagtta 250
 tactgtgtgg tggcggcggg agggtaatca cagggtattt atgggtacaa 300
 aaaggaggca ccctgacctc accagaaata gctaccctgt gccataggct 350
 ntaggcagac ttactgaca ttgaananc ttttgcagnc aattancaaa 400
 aagactacat gtgtaaatgt gacagaacag ggattcagag cctgaatgtt 450
 tangcctgct ttatcctcat tttgtcnctg tggaggcaga ggtgggaaaa 500
 ctaagtntag aagccatntg agtntgggtg ggagccacct ntatatttgt 550
 cataagtctc tgatggctct ttgggtttcta gctatanctg tgtccactag 600
 tgc 603

<210> 294
 <211> 704
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 33, 42, 94, 99, 106, 122, 147, 187, 198, 458, 482, 484, 497, 560,
 609, 626, 665, 679, 691
 <223> unknown base

<400> 294
 ttaaggcctt ttaaaatggt ggaaattttt ggnacaatta tncggaaatt 50
 tttaattttt aaggaatttt ggaaagtagt ttaaagatag ccnnttttna 100
 aaattntaag atcaagcaaa tnaagcttat ttttaaggat tcaaagnata 150
 aaagccttca gtaaataagg aaaattttgg tttattntag aaaacagntc 200
 cttgacacag tgagtggctt ttcacacatt gcagttgtta atggtttact 250
 gcccttgcca tttttaatta tgaggctaaa gatgtttttg acaccgcaca 300
 tgtgtgttat ggcttccttg atatgctctc gacagctctt tggctggctt 350
 tttcgagag ttcgttttga gaaggttatc tttggcattt taacagtgat 400
 gtcaatacaa ggttatgcaa acctccgtaa tcaatggagc ataataggag 450
 aatttaanaa tttgcctcag gaaaaacttt tncnagtggg tcaaatncag 500
 taccacatca gatgctgtct ttgcaggtgc catgcctaca atggcaagca 550
 tcaagctgn tacacttcat ccattgtga atcatccaca ttacgaagat 600
 gcagacttna ggcttggttg cagtangctt gaaatctggg atgtggaaga 650
 cccttccaat gcagntaacc ctctcttang tagcgtcctg ntcgaagacg 700
 ccag 704

<210> 295
 <211> 504
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 89, 104, 139, 152, 165, 171, 211, 223, 278, 313, 351, 374, 386,
 389, 446, 482, 485, 493
 <223> unknown base

<400> 295
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 ctatagcaca cctgttggtta gattcttgtc ttgcctaang tttttcaatt 100
 ttantatttt ctacagtttg gaccgaattc taatttttnt tgactacaag 150
 tnttcaaaat aatgntttca nttttttctt cttttttcca tttttttcca 200
 atttgagtc nctgaaaact aactgtgct ttcataaagc cctgcaaact 250
 gaactagac aacttcagaa gaaaaatnac agcaacctat ttacatacat 300
 aagccacttt canacctgcc taccgatgta tggacttcag agtaatgtgg 350
 nttatagcaa ttttccagga ttgntctttt gtttgntgnt gttctccctt 400
 cctcccccta ttttgtcttt atgggacatg acacttcaca acctntaaa 450
 aatgagtttt cctaataact caggacctac tngtntagaa atnaaccatc 500
 ctag 504

<210> 296
 <211> 557
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 104, 163, 201, 212, 228, 244, 251, 257, 293, 365, 444, 458,
 465, 495, 526, 538, 552
 <223> unknown base

<400> 296
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 ggggcttttg aggccgaggc cgaggccgtg gacgagggaa aggtgccctt 100
 gctngccctg tattgaccaa ggagcagctg gacaaccaat tggatgcata 150
 tatgtcgaac acnaaaggac acctggatgc tgagttggat gcctacatgg 200
 ngcagacaga tnccgaaacc aatgattnaa gcctgcccac cctnccatga 250
 nagactnttg ttagtcaaca catctgtaaa taaccttgag atnacagatg 300
 agaagaaatc tgattgatgc tggatggacc tatcacaata ggctgtggac 350
 ttacttgcca ccagnttggt catttagtgt gtccctttta ctttttgata 400
 ctgtgttgta tgaaaccctt ttgtcctttg atttggtttt ttgnttttgt 450
 ttttttangg ggganggggg gtttccctc ctttgcccag actntcttt 500
 gaacacaaat gcattagcct tgtggntaga acacctntt cctacctctg 550

tntcccc 557

<210> 297
<211> 501
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45
<223> unknown base

<400> 297
ggtaatggaa aaccogcaat tacatttgaa ccaacctaata agatntaagg 50
aaaagcgctt tccattcgta gcatcagtct ggccacatcc cttgtgagcc 100
actgcgccccg gcttgtttggc cgtatttttg gaatgcattt ggagcttggg 150
tcagtagttt ttgttttcat gtgatgtcac caacatgttg cctatacaga 200
ttgaatatcc cttatccaaa atgcttgcaa ccagaagtgt tttggatttt 250
tggaattttt tttggatttt ggaatatctt catgtaaata atgagatttg 300
ttggggatca gactcaagtc taaacatgaa attcgtttat gtttcatata 350
tactttatac acatacctta aaggcagttt tatacagtat tttcaatggg 400
gtgcatgaaa caaagtttgt gttcattgat ccatcagaaa gcaaagatgt 450
cactgtctca gccacacgtg gacaatctgg ttggttagcg tccccatcgt 500
t 501

<210> 298
<211> 515
<212> DNA
<213> Homo Sapien

<400> 298
ggccccgcgt gccgacatgg gaaagtctct ttctcatttg cctttgcatt 50
caagcaaaga agatgcttat gatggagtca catctgaaaa catgaggaat 100
ggactgggta atagtgaagt ccataatgaa gatggaagaa atggagatgt 150
ctctcagttt ccataatgttg aatttacagg aagagatagt gtcacctgcc 200
ctacttgtca gggaacagga agaattccta gggggcaaga aaaccaactg 250
gggcattgat tccatatagt gatcagagat taaggccaag aagaacaaag 300
ctgtatgtga tggtctctgt gtttgtctgt ctactccttt ctggattggc 350
tgtgtttttc cttttccctc gctctatcga cgtgaaatac attggtgtaa 400
aatcagccta tgtcagttat gatgttcaga agcgtacaat ttatttaaata 450
atcacaaaca cactaaatat aacaaacaat aactattact ctgtcgaagt 500
tgaaaccgaa cccct 515

<210> 299

<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 168
<223> unknown base

<400> 299
gagcggagcc ggcggagcct ctggaatcac ccgggtcgct gttcctgagc 50
agctgcagag catcgagggc tggagaggag cacatactgt ccatggagct 100
ggtggtcaag gtggacaggg gcggtggtga tggcgcagtt tgacactgaa 150
taccagcgcc tagaggcntc ctatagtgat tcacccccag ggaggaggac 200
ctgttggtgc acgtcgccga ggggagcaag tcaccttggc accatattga 250
aaaccttgac ctcttcttct ctcgagtta taatctgcac cagaagaatg 300
gcttcacatg tatgctcatc ggggagatct ttgagctcat gcagttcctc 350
tttgtggttg ccttcactac cttcctggtc agctgcgtgg actatgacat 400
cctatttgcc aacaagatgg tgaaccacag tcttcaccct actgaaccgg 450
tcaaggtcac tctgccagac gcctttttgc c 481

<210> 300
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 132, 197, 209, 218, 235, 238, 285, 344, 365, 457
<223> unknown base

<400> 300
tatggaacag cctccttttg acancagtta cgggctggtg gtggcagggc 50
ctgttctggt cctgggagcc atcatcgggtg actgggtgga caagaatggt 100
agacttaaag tggcccagac ctcgctggtg gnacagaatg tttcagtcac 150
cctgtgtgga atcatcctga tgatggtttt cttacataaa catgagnttc 200
tgaccatgna ccatggangg gttctcactt cctgntanat cctgatcatc 250
actattgcaa atattgcaaa tttggccagt actgntactg caatcacaat 300
ccaaagggat tggattgttg ttgttgacag agaagacaga agcnaactag 350
caaatatgaa tgccncaata cgaaggattg accagttaac caacatttta 400
gcccccatgg ctgttgacca gattatgaca tttggctccc cagtcacgcg 450
ctgtggnttt atttcggg 468

<210> 301
<211> 466
<212> DNA

<213> Homo Sapien

<400> 301

accgcctgac cgtgctggct ggtgcaatgc ttgccttggg actaatgaca 50
tgcttgtcag ttttgtttgg ctatgccacc acagtcaccc ccagggtcta 100
tacatactat gtttcaactg tattatttgc catttttggc attagaatgc 150
ttcgggaagg cttaaagatg agccctgatg agggtaaga ggaactggaa 200
gaagttcaag ctgaattaaa gaagaaagat gaagaatttc aacgaaccaa 250
acttttaaat ggaccgggag atgttgaaac gggtaacaagc ataacagtac 300
ctcagaaaaa gtggttgcac tttatttcac ccatttttgt tcaagctctt 350
acattaacat tcttagcaga atgggggtgat cgctctcaac taactacaat 400
tgtattggca gctagagagg acccctatgg tgtagccgtg ggtggaactg 450
tgggcgaacc ccttgc 466

<210> 302

<211> 648

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 10, 15

<223> unknown base

<400> 302

tcgaaccan ggggnccgcc gaacgcgtgg gaccatatag agaaatagca 50
tgaatatattt tattaggaga tgtttcaaag actgtattcc aatgggtaaa 100
ggaaagtcca aaacctcttt aaggaacact gcaagttgag cctctgctgt 150
tttaatatagg aggtgacctt gcctgagtca gtctttttga atttcaattt 200
tctaactcttt aaaatgaggt ttttggatgat ccctcagttt cctttcagct 250
ctggaatttg gtgggtaagt taccttgaat gtgtatcttt tcttggtaaa 300
attttaaaaa acaatataga aggaaacaaa tcctttttac tcctattttt 350
tagaaataac ccctaaacct ggtaatatat tgacgtgttt ttttcaaact 400
tgtctgtgca ttttttaaag gagcttctgt cgtatatagt tatgccctgc 450
ttttgtgtgc atgttaagca tttggatgt tatttttaaag tggaatgcct 500
tgaagaatga atcagtcaga cctactgtta acattttgat gtatttcaga 550
ctgacttaca attttttggg atttgatatt atgtataatt atatcctgca 600
tttacttagc atattaagga tttttttata tgtaatttta aagtggaa 648

<210> 303

<211> 444

<212> DNA

<213> Homo Sapien

<220>
 <221> unsure
 <222> 83, 103
 <223> unknown base

<400> 303
 attttttatg tattcatagt ataaaagacc ttcagtaaatt aggtaatat 50
 tttgttttat tctagaaaac agctccttga acncagtaag ctggcttttc 100
 acncattgcc agtggtaagt gtttactgcc cttgccattt taattatgag 150
 gctaaagatg tttttgacac cgcacatgtg tggttatggct tccttgatat 200
 gctctcgaca gctctttggc tggctttttc gcagagttcg ttttgagaag 250
 gttatctttg gcattttaac agtgatgtca atacaagggt atgcaaacct 300
 ccgtaatcaa tggagcataa taggagaatt taataatttg cctcaggaag 350
 aactttttaca gtggatcaaa tacagtacca catcagatgc tgtctttgca 400
 ggtgccatgc ctacaatggc aagcatcaag ctgtctacac ttca 444

<210> 304
 <211> 427
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 81
 <223> unknown base

<400> 304
 atgaaatcct gctttctttt cctcagaact actatattca gtggctaaat 50
 ggctccctga ttcattggtt tggaatcttg ntccctttt ttccaacctt 100
 tggtaattg gaattgatgc ctttgcctt tttctttctg gaatcagaag 150
 gctttgctgg cctgaaaaag ggaatccgag cccgcatttt agagactttg 200
 gtcattgctt ttcttcttgc gttactcatt cttgggatag tgtgggtagc 250
 ttcagcactc attgacaacg atgccgcaag catggaatct ttatatgatc 300
 tctgggagtt ctatctaccc tatttatatt cctgtatata attgatggga 350
 tgtttgttac ttctcttctg tacaccagtt ggcctttctc gtatgttcac 400
 agtgatgggt cagttgctag tgaagcc 427

<210> 305
 <211> 600
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 14, 19, 27, 54, 65, 126
 <223> unknown base

<400> 305
 atagtattaa gtcnattgng caagtnnagc cttagaagat ttggagtgtt 50
 ttttactctt tttcttggtg gcttagaatt ttctccaaga aaagttaaga 100
 aaggtgtgaa gatttcctta caaggnccgt gtacatgaca ctgttaatga 150
 ttgcatttgg cttgctgtgg gggcatctct tgcggatcaa acccacgcag 200
 agcgtcttca tttccacgtg tctgtccttg tcaagcacac ccctcgtgtc 250
 caggttcctc atgggcagtg ctcggggtga caaagaaggc gacattgact 300
 acagcacgtg gctcctcggc atgctgttac gcaggacgtg cagctcgggc 350
 tcttcatggc cgtcatgccg actctcatac aggcggggcgc cagtgcctct 400
 tctagcattg tctgtgaagt tctccgaatc ctgggttttga ttggtcagat 450
 tcttttttca ctageggcgg ttttctttt atgtcttgtt ataaagaagt 500
 atctcattgg accctattat cggaagctgc acatggaaag caaggggaac 550
 aaagaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac 600

<210> 306
 <211> 492
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 120, 215
 <223> unknown base

<400> 306
 aacctatata aaatagtttt tagcagttta tagctgtgac catcaagtca 50
 gataatttgg gatgttcaca gagagctctg ggtgattatg acagtgacca 100
 cccacatctc ttatttggtt tgcttcattt ctctactagg gagaggaggt 150
 catataatat atggtatttt tatgttattt tagataaatc catatcaaca 200
 cagcacagga gaacnaatta taccctctgg tagatttttg ggtataaacg 250
 tcatgaaatg tttctcagaa agtgagaaat atttcttgat tgtatcttta 300
 aaattaatgc aaaattgtta tgttactcca taatttattt gtgtgcatta 350
 ctgtaagggt catgtgtatt catattaaat ttttctttt aaaaattggg 400
 ttcaatgaat tatctaggat gattgcattg tttgtggcat caagtgttgt 450
 ttctcccttt ccataccaag catatcctgc ttttgggtaca gg 492

<210> 307
 <211> 495
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 49, 65, 158, 178, 211, 218, 221, 225

<223> unknown base

<400> 307

ttacttgtga gtatcatcnt gtcctttaat cctgtaccct aaaataagna 50
atacattttt gacanaggct taatgtttta acaaaagagt gtggacattt 100
ttatttttaa atttaggcaa aagtcactat caaatgggtg cttatttgtc 150
tcacacanc c ataatgtttt tccctggangg ttttgttttg ttgttgttga 200
aaagactttg nttacagnta natgnaacct ttttatagaa aaaaaaatt 250
gttgaaagggt ccagttctca gtaccatgtg agttaatgat actacaacta 300
agttcttttt aaaaagtgat taatgtattt tataaattac cttttcacat 350
atgcaaaatc tgtttctact acaatgttat ttttactaat gccttattgt 400
tgcactcttt ttgaaatata ctgcagtga tatatgaatc aatttggggt 450
taaaactgaa agccagttgg ctgaaagggt tgaaatacgt acccc 495

<210> 308

<211> 478

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 18, 43, 154

<223> unknown base

<400> 308

ttctttcttt tcccatntc attcattcag gtccttttcg canaagtga 50
gtatttagat aatcaaaacc ccacacaaga cctcaacagc aaatacagat 100
gaaatgtaat tattatttca attaaaaagg gaataatatt tgtaggccat 150
tgtnaccagt attctctcgt ttttaactagt tttgctgcat ttaaattaag 200
tgctgctctt cagcttttgt gtacagctat aagtgcacat tggaatttat 250
atgtatatat ataatagagag agagagagag agagaaaatg actgctgggt 300
cagtgtgtgt ccctcagatc ataccactac gagtgccatc gcctggaaaa 350
gctaaccatg aaattgataa caatacgtt ttggaaatga aatcaggtaa 400
gaatcacata tgtttgaaat tgtttaaaat aacattgtca tatttcttgt 450
gttatctgggt tgctggttta tctctttg 478

<210> 309

<211> 469

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 24, 132, 155

<223> unknown base

<400> 309
 gtggcccgtc tggetagtcc tgtntaagcg cgcccatttc gagcccaagt 50
 ttccagctcg ggtttccggg ctccagaattt tccaggagtg ggttcttggg 100
 cagtggctgt ggaacaggaa tggcgcagct anagggttac tgtttctcgc 150
 cgccnttgag ctgtaccttt ttagtgtcct gcctcctctt ctccgccttc 200
 agccggggcgc tgcgagagcc ctacatggac gagatcttcc acctgcctca 250
 ggcgagcgc tactgtgagg gccatttctc cctttcccag tgggatccca 300
 tgattactac attacctggc ttgtacctgg tgtcagttgg agtgggtcaaa 350
 cctgccattt ggatctttgg atggctgaa catgttgtct gctccattgg 400
 gatgctcaga tttgttaata ttctcttcag tgttggcaac ttctatttac 450
 tatatttgct ttccacaa 469

<210> 310
 <211> 524
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 4, 15, 206, 227
 <223> unknown base

<400> 310
 cgcntcggcc catgnacgcc ttgtgcggtt ccggggagtc ggctccaagt 50
 ctgggactcc aacctgtctg tgcacacaga aaaccggac ctactccct 100
 gcttccagaa ctccctgctg gcctgggtgc cctgcatcta cctgtgggtc 150
 gccctgccct gctaattgct ctacctgcgg caccattgtc gtggtacatc 200
 atcctntccc acctgtccaa gctcaanaat ggtcctgggt gtccctgctgt 250
 ggtgcgtctc ctggggcgac cttttttact ccttccatgg cctgggtccat 300
 ggccggggccc ctgccctgt tttctttgtc acccccttgg tgggtgggggt 350
 caccatgctg ctggccacc tgctgataca gtatgagcgg ctgcaggcgc 400
 tacagtcttc gggggctctc attatcttct ggttcctgtg tgtggtctgc 450
 gccatcgtcc cattccgctc caagatcctt ttagccaagg cagagggtga 500
 gatctcagac cccttcgcc tcac 524

<210> 311
 <211> 501
 <212> DNA
 <213> Homo Sapien

<400> 311
 ccatcaggaa ggtgaaagag gtctttggga caggggcat gagacatgtg 50
 gtcacctctt tcaccacaa agaggactta gggggccagg ccctggatga 100

ctatgtagca aacacggaca actgcagcct gaaagacctg gtgcgggagt 150
 gtgagagaag gtactgtgcc ttcaacaact ggggctctgt ggaggagcag 200
 aggcagcagc aggcagagct cctggctgtg attgagaggc tggggaggga 250
 gcgagagggc tccttccaca gcaatgacct cttcttggat gccagctgc 300
 tccaaagaac tggagctggg gcctgccagg aagactacag gcagtaccag 350
 gccaaagtgg aatggcaggt ggagaagcac aagcaagagc tgaggagaa 400
 cgagagtaac tgggcataca aggcgctcct cagagtcaaa cacttgatgc 450
 ttttgcatta tgagattttt gttttctat tgttgtgcag catacttttt 500
 t 501

<210> 312
 <211> 655
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 85, 118
 <223> unknown base

<400> 312
 tctttgttct cacaagttat ctttacattg gaatgacct gaattaggaa 50
 gttaaagtga acttggttgg atttggtatc tgctntaaaa gttagaaaat 100
 taggtcattt gacatttntg ctccgtgtt tgccatgttt ggttcctaca 150
 tacttttgca aagatcaagg aagaccttg aggcattctt ttatctctta 200
 tttctattac tatcaccaca attcaagtca tcatcattac cctggacttc 250
 tgggatagct tccactgtt cccactcacc tactcttgct cactgccttc 300
 cccccaaacc ccctaaaatt cattctccag atagtgacta gagtgaatcg 350
 actatatctt ctcttttctt gctctggata taatttatat cttttcctgc 400
 tctggatata atttatatcc ttcatctcc atttctgtgc ccctgtgtgc 450
 caactgctat tgtctgcatt agatggactt ccttatcttc tggcttctat 500
 tgaatttggg gaactgggga gggcaagta ggagatcagt gtgtgggaga 550
 agaaagaagt ttgagtattt atcacctagg aagggggact tccaggacac 600
 tgtttggcag ggatgctggg cctctactgg aggcctagtt ccgactgtgt 650
 tgccc 655

<210> 313
 <211> 239
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 226, 234
<223> unknown base

<400> 313
 tttttttttt tttttttttg gattaatgag gaaatcattc tgtggctcta 50
 gtcataattt atgcttaata acattgatag tagccctttg cgctataact 100
 ctacctaaag actcacatca tttggcagag agagagtcgt tgaagtccca 150
 ggaattcagg actgggcagg ttaagacctc agacaaggta gtagaggtag 200
 acttgtggac aaggctcggg tcccanccgg acgngtggg 239

<210> 314
 <211> 175
 <212> DNA
 <213> Homo Sapien

<400> 314
 atttgggttt tttttttcca aaaattgctg aaatattgtt ttgccatttt 50
 taaaaagtct caggttatta ccactctgcc attaaatatt tgtatgcctg 100
 catttttaaa aattctgtgc atgtacttta tggagtacat tctatttttg 150
 ttttcagata ccccgacgc gtggg 175

<210> 315
 <211> 971
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 262, 355, 369, 486, 539
 <223> unknown base

<400> 315
 cggacgcgtg gggaaacctt gccttcaagg gttttttgtt ttgttttgtt 50
 ttgttttttg tttgtttggg tttgtttgt tttggtttg ttttgaaacg 100
 gagtctcgct ctgtcgccca ggctggagtg cagtggcgca atctcggtc 150
 actgcaagct ccgcctcccg gggtcacgtc attctcctgc ctacgcctcc 200
 cgagtagctg ggactacagg cgtccactac cacgcctgga taattttttg 250
 tatttttcagt anagacgggg tttcacctg ttagccagga tgggtcttgat 300
 ctctgacct catgatcccg cctgcctcgg cctcccaaag tgttgggatt 350
 acagngcgtg agccaccgng ccgggcacct tcaaggtttt gtttaattttg 400
 gataatgcta caatccgttg ctgcaaagaa ctcgaaaatg cacacgcaa 450
 cataggagtt ctttttatgc ccccaaacat taagtntttc atccaacccc 500
 tcaatcgggg cataataaaa gcattcaagg cacactacna caaggagct 550
 ttatatgaag gcctgtgagg ctctcaggac caacaaggaa accaccatgc 600
 tggactattg gaagtcggtc actacatgca acgttattga ttatgtcagt 650

acagcctggg agagcattgg tcaggctact accaataact gttgggaaaa 700
 tgtttggcca gactgcgtgg agaattttga agggtttgaa ggtgttacag 750
 aaaatataaa gaacactgtc agagacataa tgcatatggc acagcaggta 800
 agtgagagg gctttgatga cgtgaaggaa ggagatgtgg agtacatttt 850
 ggcagagaag gcagtggaa caaccaacga agacctggat gagatggcaa 900
 aacaaggcat tggagttgat ggccatgaaa gtcggcccaa gacttccaga 950
 attgtccctc tcacagcgcc c 971

<210> 316
 <211> 673
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 67, 115, 126, 132, 135, 274
 <223> unknown base

<400> 316
 aaattctact tcctggattt tggaaggcca aaacattttt tccccatggg 50
 atacatcccc atgtttntgg cacaatcctt ctttgaaaat aatatggaac 100
 ttagatatat ttagncatta cgttcntctg gntgnatgac atcattcaag 150
 agcttttcaa agcatttggt cagatcttca gtactggcca gttttcatac 200
 agtctcgggg ttttaaaact ttgaaatcaa ggacacgacg tctccagtct 250
 acctccgaga gattagttga aacncagaat atagcgccat cattcgtgaa 300
 ggggtttctt ttgogggaca gaggatcaga tgttgagagt ttggacaaac 350
 tcatgaaaac caaaaatata cctgaagctc accaagatgc atttaaaact 400
 ggttttgcgg aagggttttc tgaaagctca agcactcaca caaaaaacca 450
 atgattccct aaggcgaacc cgtctgattc tcttcgttct gctgctattc 500
 ggcatttatg gacttctaaa aaaccattt ttatctgtcc gcttccggac 550
 aacaacaggg cttgattctg cagtagatcc tgtccagatg aaaaatgtca 600
 cctttgaaca tgttaaagggt gtggaggaag ctaaacaaga attacaggaa 650
 gttgttgaat tcttgaaaaa tcc 673

<210> 317
 <211> 557
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 27, 43, 52, 59
 <223> unknown base

<400> 317
 cgcttgggca ggttgggggtt gaaactnttc accccttgct gtntgtactg 50
 cntcccaant gagcagccag gagaaggcta gagcctgtgc ctttcagcta 100
 gatagctgga ggaactgggc ctccctcctt aggcctgtgct ggcctgagct 150
 gggagcctga gagctggggc agttgtctct aaagtggctt ctgggattct 200
 ggtaagagcg ttacatcctt actattcaaa gtgccatcca cagacctgct 250
 gatgggcagc atgagcatca cctgggagct tgctgcgctg tagaatcttg 300
 aggggtctcc atccagatca gctgaatcag agtttgcatt gttaacaaga 350
 ttctgcttct cagaagatgc actattatag atactctaac gccaaagtca 400
 gctgctggta caagtacctc cttttcagct acaacatcat cttctggttg 450
 gctggagttg tcttccttgg agtcgggctg tgggcatgga gcgaaaagg 500
 tgtgctgtcc gacctacca aagtgaccg gatgcatgga atcgaccctg 550
 tgggtgcc 557

<210> 318
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 1, 38, 52, 104
 <223> unknown base

<400> 318
 ntgcagtcaa cgcagcttcc cgggttcagc ctgggaanat ggcggaatcg 50
 gnaacccag agcccggtgg ttagaccggg gtccgcgct tccccacag 100
 ccnntttcct aatcggtcag acggagcctg gtcgacttcg ccggagactg 150
 ccagatctcg ttcctcttcc ctgtgtcatc ttcttaatta taaataatgg 200
 gggatgaaga taaaagaatt acatatgaag attcagaacc atccacagga 250
 atgaattaca cgccctccat gcacaaagaa gcacaggagg agacagttat 300
 gaagctcaaa ggtatagatg caaatgaacc aacagaagga agtattcttt 350
 tgaaaagcag tgaaaaaaag ctacaagaaa caccaactga agcaaatcac 400
 gtacaaagac tgagacaaat gctggcttgc cctccacatg gtttactgga 450
 cagggtcata acaaatgtta ccatcattgt tcttctgtgg gctgtagttt 500
 ggtcaattac tggcagtgaa tgtcttctg gaggaacct atttggaatt 550
 ataatcctat tctattgtgc 570

<210> 319
 <211> 698
 <212> DNA
 <213> Homo Sapien

<220>
<221> unsure
<222> 27, 57, 82, 87, 148
<223> unknown base

<400> 319
tcagcgggta agaaaattct acttccnggg atttttgtaa aaggcaaaaa 50
cctttnttcc cccattggca tacattccca angttnttgc ccaatccttc 100
ttttgaaaat taaatatgga acttagatat atttagtcac tacgttcntc 150
tggcttgat ggacatcatt caagagcttt tcaaagcatt tgttcagatc 200
ttcagtactt ggccagtttt catacagtct cggggtttta aaactttgaa 250
atcaaggaca cgacgtctcc agtctacctc cgagagatta gctgaaacac 300
agaatatagc gccatcattc gtgaaggggt ttcttttgcg ggacagagga 350
tcagatgttg agagtgttga caaactcatg aaaacccaaa atatacctga 400
agctcaccaa gatgcattta aaactgggtt tgcggaaggt ttttctgaaa 450
gctcaagcac tcacacaaaa aaccaatgat tccctaaggc gaaccctctc 500
gattctcttc gttctgctgc tattcgcat ttatggactt ctaaaaaacc 550
catttttatc tgtccgcttc cggacaacaa cagggttga ttctgcagta 600
gatcctgtcc agatgaaaaa tgtcaccttt gaacatgtta aaggggtgga 650
ggaagctaaa caagaattac aggaagttgt tgaattcttg aaaaatcc 698

<210> 320
<211> 443
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4
<223> unknown base

<400> 320
gccnagcggg cgggcccgtt aaacgggctg ctctgtccga ttcttttacc 50
tgagaaatgc tacgaccaac ttttcgttca gtgggacttg cttcacgtcc 100
cctgcctcaa gattctcttc agcaaaggcc tggggctggg cattgtggct 150
ggctcacttc tagtaaagct gccccagggt tttaaaatcc tgggagccaa 200
gagtgtgtaa ggggtgagtc tccagtctgt aatgttgag ctagtggcat 250
tgactgggac catgggtctac agcatcacta acaacttccc attcagctct 300
tgggggtgaag ccttattcct gatgctccag acgatcacca tctgcttcct 350
ggtcatgcac tacagaggac agactgtgaa aggtgtcgtc ttctcgtc 400
gctacggcct ggctctgctg gtgcttctct cacctctgac gcc 443

<210> 321
<211> 477
<212> DNA
<213> Homo Sapien

<400> 321
gttggcctga ttctccccac cagaggacag acgttgaaag ataccacgtc 50
cagttttcag cagacgcaac tatcatggac attcaggtcc cgacacgagc 100
cccagatgca gtctacacag aactccagcc cacctctcca accccaacct 150
ggcctgctga tgaaacacca caaccccaga cccagaccca gcaactggaa 200
ggaacggatg ggcctctagt gacagatcca gagacacaca agagcaccaa 250
agcagctcat cccactgatg acaccacgac gctctctgag agaccatccc 300
caagcacaga cgtccagaca gacccccaga ccctcaagcc atctggtttt 350
catgaggatg accccttctt ctatgatgaa cacaccctcc ggaaacgggg 400
gctgttggtc gcagctgtgc tgttcacac aggcatcacc atcctcacca 450
gtgcggacgc gtgggcggac gcgtggg 477

<210> 322
<211> 505
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 75
<223> unknown base

<400> 322
cagtgccttt agattgtgtt ttgcctcctc caatgtagag ttgacatntg 50
gacccagag cccagcaggg cttntgtca gacatgtagg gtggtagaaa 100
tgggccctcc aggtccccct gcagtgcact gggcagagac ctccggaaa 150
ccggcagcgg gagegcttcc tgggcagctt ccccagcac agtgttccca 200
aaccagtcca tccggaaaac agtctgtaca gcaaagtctg tgtgagatct 250
taggcttttc actttttttt gttttgtttt gtttttgaaa gaaagaaaaa 300
aatacaatta acaagcctct tttgtaaagt ggtttccttt ctatgtataa 350
aatcgtgggtg gtcccttggt tttacatggt catgctgtgt aattttgaga 400
tgttactgag atatgttctg aacataatgt gcattttttt ctgtacagat 450
gaaatgggag aatttaataa agagtgttgc gccacgcgt ccgcggacgc 500
gtggg 505

<210> 323
<211> 632
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 75, 80, 107, 117
<223> unknown base

<400> 323
gaagtgttca ctggacaatt ngcaagtttag gtccagttcc agttggagga 50
ttcttccatt gttccaaggt gtggnaattn caatggtcct gatctccatt 100
tttgtgncaa tctattncaa tgcataaatt gcctatagtc tttactacat 150
gtttgcttct tttcaaagtg aactaccatg gaaaaattgt tcttcgtggg 200
cagataaaaa ctgtagcaga tcaccaatag taactcactg taatgtgagt 250
acagtgaata aaggaataca agagatcatc caaatgaata aaagctgggt 300
agacatcaac aattttacct gcatcaacgg cagtgaatt tatcagccag 350
ggcagcttcc cagtgaacaa tattggaata aagtggcgct ccaacgggtca 400
agtggaatga atgagactgg agtaattgtt tgggtatttag cactttgtct 450
tcttctgggt tggctcatag ttggagcagc actatttaaa ggaatcaaat 500
cgtctggcaa ggtggtatat ttacagctc ttttccccta tgtggtccta 550
ctcatcctgt tagtacgagg tgcaactctg gaggggtgctt caaaaggcat 600
ttcatactat attggagccc cggacgcgtg gg 632

<210> 324
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 24
<223> unknown base

<400> 324
cggggggcnt acaccactgc ctgngtcttc accaccgccg ccgtgcagtt 50
ggaattgatc acaccttttc agttgtactt caatcctgaa ttaatcttta 100
aacactttca aatatggaga ttaatcacca acttcttatt ttttgggcca 150
gttggattca attttttatt taacatgatt tttctatata gttactgtcg 200
aatgctagaa gaaggctctt tccgaggctg gacagcagac tttgtattta 250
tgttcctttt tgggtgattc ttaatgaccc tttttgggtct gtttgtgagc 300
ttagttttct tgggccaggc ctttacaata atgctcgtct atgtgtggag 350
ccgaaggaac ccctatgtcc gcatgaactt cttcggcctt ctcaacttcc 400
aggccccctt tctgccttgg gtgctcatgg gattttcctt gttgttgggg 450
aactcaatca ttgtggacct tttgggtatt gcagttggac cggacgcgtg 500
gg 502

<210> 325
<211> 375
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9
<223> unknown base

<400> 325
tgcaaattnt gagattcaga gactaaagta atttatztat acatagctaa 50
tcagtgccag agctgtgaat ctaagattat cttgctotta atcacaaaaa 100
tacacagtta ttagttgttt gcatttgatg caaatgactt ggaaccaca 150
cattttacac atttttaatg aatgaaatga ctagtttgat tcattacacg 200
tttgtggaaa ttttgcagct aggttttaaa ttaagaacac cagatttatt 250
taaatacaat ttaaaatcat tgtattccaa atggaagttt tcttctataa 300
gaataccagg ctggatgtgg tggctcacac ttgtaatcct agcactttgt 350
gtggccgagg aagcggacgc gtggg 375

<210> 326
<211> 198
<212> DNA
<213> Homo Sapien

<400> 326
gtcaggattt ttgaagtttt tttttttata gtgagataat ggagtgtgtc 50
ttagccgctg caggagccct tcttttctgt ggattcatca tctatgacac 100
acactcactg atgcataaac tgtcacctga agagtacgta ttagctgcca 150
tcagcctcta cttggatatc atcaatctat tcctgccgga cgcgtggg 198

<210> 327
<211> 489
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18
<223> unknown base

<400> 327
caagttaggt gatccagntt ttgtggtctt ttgcaaccct tgtggtcatt 50
gtgcccttga tattaatctt cgtggtgggt cctcgccatg gcagacaaac 100
attcttgtgt acataacaat ctgctctgta atcggcgcgt tttcagtctc 150
ctgtgtgaag ggccctgggca ttgctatcaa ggagctgttt gcagggaagc 200
ctgtgctgcg gcacccctg gcttggattc tgetgctgag cctcatcgtc 250
tgtgtgagca cacagattaa ttacctaaat agggccctgg atatattcaa 300

cacttccatt gtgactccaa tatattatgt attctttaca acatcagttt 350
 taacttggtc agctattctt ttttaaggagt ggcaagagat gcctgttgac 400
 gatgtcattg gtactttgag tggcttcttt acaatcattg tggggatatt 450
 cttgttgcat gccttttaaag acgtcagctt tagtctagc 489

<210> 328
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 46
 <223> unknown base

<400> 328
 aaagtgggtcc ttttagggta aagagtttta aagagtttaa tngtntatg 50
 gcagggttgg gaaaggtaag aaatgggtcc tttttcctcc taatgttttt 100
 ggcacttaaa acataaaatt cattatccta ttaaaaaatt aaattcagtt 150
 tgctaatcca gaaattgttc ccaaagaaa acttgtttta agtccacccc 200
 ttagtttctt tatttttaca ggtctctctt cagggaccaa caggggctta 250
 gagagcctta gttagattaa agggagaccc tacctcttaa aaccagtttt 300
 catttatgca aacaaggaca attaaggga ccttgacccc acaggctctc 350
 aagtcttccc aaggccagaa tcgaaagaaa attaaaattt gaatgctgaa 400
 tattctgggt ctactctggc cttttttctt ggttcccttc caaaatgcac 450
 aaatcatacc cttgtctgct ccaattcagt ctccaaacct ggtgcctgtg 500
 ctcttgcccc ccctagcatc atgctatccc aggagtatca ggaccagaca 550
 catccacgg 559

<210> 329
 <211> 523
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 4, 14, 60, 71, 99
 <223> unknown base

<400> 329
 ggcnacggcg gccnaagacg gacatgaagc aatatcaagg ttccggcggg 50
 gtccccatgn atgtggaacg nagtcgcttt ccctactgc gtggtgtgna 100
 cgcccatccc ggtgctcacg tggtttttcc ccatcatcgg ccacatgggc 150
 atctgcacat ccacaggagt cattcgggac ttcgcgggcc cctactttgt 200
 ctcagaggac aacatggcct ttggaaagcc tgccaagtac tgaagttgga 250

ccctgctcag gtctatgcta gcggggccaa cgcattgggac acggctgtgc 300
 acgacgcctc tgaggagtag aagcaccgca tgcacaatct ctgctgtgac 350
 aactgccact cgcacgtggc attggccctg aatctgatgc gctacaacaa 400
 cagcaccacac tgggaatatgg tgacgctctg cttcttctgc ctgctctacg 450
 ggaagtacgt cagcgttggg gccttcgtga agacctgggt gcccttcac 500
 cttctcctgg gcatcatcct cac 523

<210> 330
 <211> 365
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 83, 124
 <223> unknown base

<400> 330
 ttgatttaa tgttggttgt gtgtctctc ctggcaactg gattttgcct 50
 gttcagaggt ttgattgctt tggattgcc atntgagctc tgccgattat 100
 atacgcaatt tcaagagccc tatntaaagg atcctgctgc ttatcctaaa 150
 attcagatgc tggcatatat gttctattct gttccttact ttgtgactgc 200
 actgtatggc ttagtggttc ctggatgttc ctggatgcct gacatcacat 250
 tgatacatgc tggaggtctg gctcaggctc agttttctca cattggtgca 300
 tctcttcatg ctagaactgc ttatgtctac agagtccctg aagaagcaaa 350
 aatccttttt ttagc 365

<210> 331
 <211> 441
 <212> DNA
 <213> Homo Sapien

<400> 331
 gaaaatatct ggaggtactg cacataagga ttccaatttc tattttcaga 50
 actttcattt gtaatttatg tacgcatcta acgtctattt acgtgtatac 100
 tgagttaggg tgtacaactt ttccctgagg ctgtatctca aaaactttgg 150
 aagctgaaga atttgtccaa atctatgttc ctttttgttt gtaaatcacc 200
 tgatgatggg gatatagctg tggccaacga aatgtcaagg gaagtctgct 250
 ggggaaggta gacgtaggat aggagtatgg gaaaaaatta ttcactcaaa 300
 agcatgatgc acagaggagc tatgatcttt tcttgttttc ctactggat 350
 gttgtcatgt ctgtatgtac ttcttgaac tgtggcacca tcttacaacc 400
 atgaaaggag ctcacatgaa atcatgttgac acatagcaga g 441

<210> 332
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45-46, 52, 71, 173, 226, 275
<223> unknown base

<400> 332
aggttggtcc ttttccggtt ttttggccaa tttcaagttt ccagnntcca 50
tnatccaagt ttgaagcccc ntggcggatc cttaaaaatc cctgacctga 100
ccagggtcgc caagggtcgc acaaggcctg ggccagggtc ccacaggag 150
gtgaaaaaac tcccattccg ttnaaaagca gtttcctttg ggacccattt 200
ccttttccct ttggccatgg ccgtgncctc caaagggttc ggtagtttaa 250
tgcaaatgtt ctaccaatag ccccnagaac tccaccaccc tctctctgtc 300
ttgtgggtca agtcgagcaa cctgaaagga tatatttttt caaataagta 350
attcctgtag gcaataaaaa gatacactat cttctgagtg aaatataaag 400
agttcacagc agctgtctcc ccagtttgca ttttcctctg cacctgatgg 450
gaaggacaga taaagataat gggatttttt ctttattttt tatttcacct 500
ccctctctcc ctggaagggtg gaaatgtaac aaattggatt gtgagtggtg 550
ctgtcctttg tgcttgggtg ctggagcagg gcatccgggt gccgggcaga 600
gctgctgcga gagaggtcag agctacc 627

<210> 333
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112-113, 151, 175, 183, 196, 211, 215, 223, 241, 247
<223> unknown base

<400> 333
ccaagttgaa gcccatggcg gtccttaaatt cctgcctgac cagggtcgcc 50
agggtcgggc aagcaagtgc cagaagaata aagaagatgg acgcaaaaag 100
aagaaaggaa gnnccagaag agacgaagag atgaaacgac agtcagatga 150
natgaggagg aaagaaaggt ttcanaaaagc cgnccgaaat gaaagncgtc 200
ctggtttgaa ngaanttgcc aanagataaa tccagcagga naggccnaga 250
aagatcgagg tctgcttatc tgctgttacc ttggacacca gagcagctat 300
aggatatctgc cagagctatg aaatcattca gccggatcct cttcctcgtc 350
ttcctcctcg ccggcctgag gtccaagccg ctccctcagc ccctctgcct 400

ttgggctgtg gctttccgga catggccac ccctctgaga cttccctct 450
gaagggtgct totgaaaatt ccaaacgaga tcgccttaac ccagaatttc 500
ctgggactcc ttaccctgag ccttccaagc tacctcatac ggtttccctg 550
gaaaccttcc cacttgactt cactgagccc ctcaaccctg acctccgaga 600
aaccctcg 607

<210> 334
<211> 417
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24
<223> unknown base

<400> 334
ttcagactca ctgaatcaga accntgggat aggccagcac gctgtgcttt 50
accaagctct aggtgatgcc aattcatact caagtgtgag gctgactggc 100
ttatttgaag ggagagaaaag gaacaggcac atggcgacat atcagcattt 150
acacaaggcg tgctgggtaa ccataggaac acctttatta cggttaaata 200
ggaaacaggc atcaatgcag agggcccccga ggagaatcag gaaggtcgcg 250
actgtcactg tctgagggca ctgttgtaa acgatggccg aaggtgacaa 300
ccacagcaaa gtttcaagga agttcactga aacgtggaaa aaccactca 350
atgtcctgct ctcatttata ttgagtggct taagtattta ttttcttgg 400
tttttagagg aaggag 417

<210> 335
<211> 531
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 76
<223> unknown base

<400> 335
gaagcttccg ttgccaagcg acatgttcaa ggtaattcan aggtccgtgg 50
ggccagccag cttgagcttg ctcacnttca aagtctatgc agcaccaaaa 100
aaggactcac ctcccaaaaa ttccgtgaag gttgatgagc tttcactcta 150
ctcagttcct gaggggtcaat cgaagtatgt ggaggaggca aggagccagc 200
ttgaagaaaag catctcacag ctccgacact attgcgagcc atacacaacc 250
tggtgtcagg aaacgtactc ccaaactaag cccaagatgc aaagtttgg 300
tcaatggggg ttagacagct atgactatct ccaaaatgca ctcctggat 350

tttttccgag acttgggtgtt attgggtttg ctggccttat tggactcctt 400
 ttggctagag gttcaaaaat aaagaagcta gtgtatccgc ctggtttcat 450
 gggattagct gcctccctct attatccaca acaagccatc gtgtttgccc 500
 aggtcagtgg ggagagatta tatgactggg g 531

<210> 336
 <211> 446
 <212> DNA
 <213> Homo Sapien

<400> 336
 ggcggccgag ggcggacggc gcttaaacgg ctgctcgtgc cgattctttt 50
 acctgagaaa tgctacgacc aacttttcgt tcagtgggac ttgcttcacg 100
 tccctgcct caagattctc ctacagaaag gcctggggct gggcattgtg 150
 gctggctcac ttctagtaaa gctgccccag gtgttttaaaa tcctgggagc 200
 caagagtgtt gaaggggtga gtctccagtc tgtaatgctg gagctagtgg 250
 cattgactgg gaccatggtc tacagcatca ctaacaactt cccattcagc 300
 tcttgggggtg aagccttatt cctgatgctc cagacgatca ccattctgctt 350
 cctggtcatg cactacagag gacagactgt gaaaggtgtc gctttcctcg 400
 cttgctacgg cctggctctg ctgggtcttc tctcaactct gacgcc 446

<210> 337
 <211> 489
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 16, 67
 <223> unknown base

<400> 337
 cggaacgcgt gggcgacgc gtgggcaaga tgccctgtg gactcccaaa 50
 ctctactcca gatgggnagg tgcccttaac accaagattt taaaagctcc 100
 aatttcagag caagagtcga aaactcacag ataaagttat agttatttca 150
 gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200
 caaccttggc tcttttctcg gtgtttgttt tcctgggaaa ctccagctgc 250
 gctccgcaga gactgttgga gagaaggaac tggactcctc aagctatgct 300
 ctacctgaaa ggggcacagg gtcgccgctt catctccgac cagagccgga 350
 gaaaggacct ctccgaccgg ccaactgccg aaagacgaag cccaaatccc 400
 caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450
 gaaatcacca gaagatgaag aaaaaaactt tgatcaaac 489

<210> 338

<211> 452
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3
<223> unknown base

<400> 338
ccntgcacaa gcagcacttt cttttgccat agcaacatgt gcatcaataa 50
ttcttttagtc tgtaatgggtg tccaaaattg tgcataccct tgggatgaaa 100
atcattgtaa agaaaagaaa aaagcaggag tatttgaaca aatcactaag 150
actcatggaa caattattgg cattacttca gggattgtct tggtccttct 200
cattatttct atttttagtac aagtgaaca gcctcgaaaa aaggtcatgg 250
cttgcaaaac cgcttttaat aaaaccgggt tccaagaagt gtttgatcct 300
cctcattatg aactgttttc actaaggagc aaagagattt ctgcagacct 350
ggcagacttg tcggaagaat tggacaacta ccagaagatg cggcgctcct 400
ccaccgcctc ccgctgcac caccgacc accgtgggtc gcaggcctcc 450
ag 452

<210> 339
<211> 354
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27
<223> unknown base

<400> 339
aaataaagaa ccattggtatc atgttgntca gtgcttcaga cagaaagatt 50
gttgaagcat caaggagagc ttttgttatg tggcaatgaa ctacgaagag 100
gaaatggcca agaaaccga ttgtctagag aaagtttacc aactacctga 150
tggaagggtc atccagctcc atgaccagct cttttcttgt ccagaggccc 200
tcttctctcc gtgtcatatg aaccttgagg cccctggcat tgataagata 250
tgcttcagca gcataatgaa atgtgatata ggcttgagga attccttctt 300
ttccaatatt atccttgccg ggggatcaac ctctttccct ggtttagaca 350
agct 354

<210> 340
<211> 547
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 20, 77, 101, 142, 151
<223> unknown base

<400> 340
tggcggtcct aaaatcctgn cctgaccagg gtccggcggt tcagttggag 50
gaaaagtgtg gccttgccagg tggcaantgg tccagggtacc ggtatttggc 100
nggcccgttt ttgcctcctc ctccgtgggt gcggcgaggaa tnttggccgg 150
ncggccttgg gacggcccag gtcccggccg caagggtccgg gccaatacat 200
agtcacagc agaaacttct tgaagttgtt caagaaaaat ttgaaagtag 250
caaaatagaa aataaagaat taacagcaga tacagaggca gcatgaagtg 300
ttgtcttagg aaacagaaca cagcagtgaa aaaacagaca aaatccgctc 350
agatacaact gcagctgata atgttttccg gcttcaatgt ctttagagtt 400
gggatctctt ttgtcataat gtgcattttt tacatgccaa cagtaaaactc 450
tttaccagaa ctgagtcctc agaaatattt tagtacattg caaccaggaa 500
aagcctcttt agcttatttt tgtcaagctg attccccag aaataca 547

<210> 341
<211> 374
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 42
<223> unknown base

<400> 341
ccgaatcaag ttcgagtcac ccgtgtgggc attngtcccc cntggcacag 50
ttggcttctt tccagaagcc cgttttgttt gttttacgtc taaattcgcg 100
tcggttctta tttctctccc tggcaaggtc tgaagacggg taggagaata 150
acctgtgtca gogtggtatg atgccgtccc gtaccaacct ggctactgga 200
atccccagta gtaaagtga atattcaagg ctctccagca cagacgatgg 250
ctacattgac cttcagttta agaaaacccc tctaagatc ccttataagg 300
ccatcgcaact tgccactgtg ctgtttttga ttggcgccctt tctcattatt 350
ataggctccc tctgtgtgtc aggc 374

<210> 342
<211> 515
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25
<223> unknown base

<400> 342

agttccggca aggggtgcac cggcntgtgt gtggcgcaag gcaaggaaac 50
 cgggtacccgg gtcctggccc cagcgctgac gttttctctc ccccttcttc 100
 tctcttcgcg ggttgccggcg tcgcagacgc tagtgtgagc ccccatggca 150
 gatacgaccc cgaacggccc ccaaggggcg ggcgctgtgc aattcatgat 200
 gaccaataaa ctggacacgg caatgtggct ttctcgcttg ttcacagttt 250
 actgctctgc tctgtttgtt ctgcctcttc ttgggttgca tgaagcagca 300
 agcctttacc aacgtgcttt gctggcaa at gctcttacca gtgctctgag 350
 gctgcatcaa agattaccac acttccagtt aagcagagca ttctgtccc 400
 aggctttgtt agaggacagc tgccactacc tgttgatctc actcatcttt 450
 gtaaattcct atccagttac aatgagtatc ttcccagctt tgttattctc 500
 ttgcttcat gctgc 515

<210> 343
 <211> 509
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 18, 46, 63, 68, 117, 139, 145, 164, 173, 179, 181, 246
 <223> unknown base

<400> 343
 cctgaccag ggtccgngg caattttcca tttatgccct gtggtncggg 50
 acatacctag atntcagncc atttctcca ggttttgccc ttgttttaag 100
 gccctgggct gggattncaa gtggcttgat caacccccnt ttggnccagt 150
 actaccctta gggncctga ccntgactnt ntgcagcatt ttcataccta 200
 tcgggttggg cgtcttcatt cgctacaaat acagccgggg gctgantaca 250
 ttgtgaagggt ttccctgtgg tctctgctag tgactctggg ggtccttttc 300
 ataatgaccg gcactatggt aggacctgaa ctgctggcaa gtatccctgc 350
 agctgtttat gtgatagcaa tttttatgcc tttggcaggc tacgcttcag 400
 gttatggttt agctactctc ttccatcttc caccactg caagaggact 450
 gtatgtctgg aaacaggtag tcagaatgtg cagctctgta cagccattct 500
 aaaactggc 509

<210> 344
 <211> 336
 <212> DNA
 <213> Homo Sapien

<400> 344
 cctaaatagg gcctggata tattcaacac ttccattgtg actccaatat 50
 attatgtatt ctttacaaca tcagttttaa cttgttcagc tattcttttt 100

aaggagtggc aagatatgcc tgttgacgat gtcattggta ctttgagtgg 150
 cttctttaca atcattgtgg ggatattctt gttgcatgcc tttaaagacg 200
 tcagcttttag tctagcaagt ctgcctgtgt cttttcgaaa agacgagaaa 250
 gcaatgaatg gcaatctctc taatatgtat gaagttctta ataataatga 300
 agaaagctta acctgtggaa tcgaacaaca cactgg 336

<210> 345
 <211> 380
 <212> DNA
 <213> Homo Sapien

<400> 345
 ttaagtgcaa accatgcagt gcccgaggat gataaccatta gcaatgactc 50
 caatgatttc accgaagtag aaaatgggtca gataaatagc aagtttattt 100
 ctgatcgtga aagtagaaga agtctcacia acagccattt ggaaaaaaag 150
 aagtgtgatg agtatattcc aggtacaacc tccttaggca tgtctgtttt 200
 taacctaaagc aacgccatta tgggcagtgg gatctttggga ctgcctttg 250
 ccctggcaaa cactggaatc ctactttttc tggactttt gacttcagtg 300
 acattgctgt ctatatattc aataaacctc ctattgatct gttcaaaaga 350
 aacaggctgc atggtgtatg aaaagctggg 380

<210> 346
 <211> 364
 <212> DNA
 <213> Homo Sapien

<400> 346
 gcagatttca gagttactgg ctgtcatttt tcatgggtgat gatcttattt 50
 gtagctttca taacctgttg ggaagaagtt actacttttg tacaggctat 100
 caggataact tcctatatga atgaaactat cttatatattt cctttttcat 150
 cccactccag ttatactgtg agatctaaaa aaatattctt atccaagctc 200
 attgtctgtt ttctcagtac ctggttacca tttgtactac ttcaggtaat 250
 cattgtttta cttaaagttc agattccagc atatattgag atgaatattc 300
 cctggttata ctttgtcaat agttttctca ttgctacagt gtattggttt 350
 aattgtcaca agct 364

<210> 347
 <211> 752
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 40, 47, 73, 87, 235, 256
 <223> unknown base

<400> 347
 acaatgttgg gtaaaataat tgggggggac ttttgggccn ttcaggntta 50
 atagtattaa gtctatgggc aantggagcc ttagganaat ttgggggggtt 100
 tttaatcttt ttcttgggtg gcttagattt ttctccagaa aagttaagaa 150
 aggtgtgaag atttccttac aaggcccggtg ttacatgcc a ctgttaatga 200
 ttgcatttgg cttgctgtgg gggcatttct tgcgnatcaa acccacgcag 250
 agggntttca ttccaaggt gtctgtcctt tgtcaagcac acccctcgtg 300
 tccaggttcc tcatgggcag tgctcggggt gacaaagaag gcgacattga 350
 ctacagcacc gtgctcctcg gcatgctggt gacgcaggac gtgcagctcg 400
 ggctcttcat ggccgtcatg ccgactctca tacaggcggg cgccagtga 450
 tcttctagca ttgtcgtgga agttctccga atcctggttt tgattggtca 500
 gattcttttt tctactagcg cggtttttct tttatgtctt gttataaaga 550
 agtatctcat tggaccctat tatcggaagc tgcacatgga aagcaagggg 600
 aacaaagaaa tcttgatctt gggaatatct gcctttatct tcttaatgtt 650
 aacggtcacg gagctgctgg acgtctccat ggagctgggc tgtttcctgg 700
 ctggagcgct cgtctcctct cagggccccg tggtcaccga ggagatcgcc 750
 ac 752

<210> 348
 <211> 342
 <212> DNA
 <213> Homo Sapien

<400> 348
 aaaaaaaaaa aaaaaaaaaa agaaccactt ctgccttatac attctctctt 50
 tattaccgaa atgcggagac agaaagtcaa cagagaaaga attgttttcc 100
 ccaaggccac acagattgct ccaacacttg acttttctctg ctaggaactc 150
 aatccaagag atgggctttc ttttgttctc tgactataaa aggggtgtcac 200
 cttgtcacca tcttctatca cacaggaccc ctatgggctt ggtttggttt 250
 tgttctttca tcattattat ttggaaagtt atatttcctt tactgtcctt 300
 gaggtgtgag gcttcacctc atcttgtctc catatccctg ag 342

<210> 349
 <211> 608
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 46, 101, 110, 132, 271
 <223> unknown base

<400> 349
 tggatcccat ggccagggng gcgtccaggt gcaaaccagt agaacncaag 50
 gcctgaacct ggggccagac accttgtttt ccccgcccat ggtcaagacc 100
 ntccagtacn tgccttactg tgggccaga antgggcaa gtcttggcag 150
 cccgtgccgc aggttggtgt gcagtttggg gtgttcttct gcaccatcct 200
 ccttttgctc tgggtgtctg tcttctctata tggctccttc tactattcct 250
 atatgcccag agtcagccac ntcagccctg gcatttctac tacaggaccg 300
 actgtgattc ctccaccacc tcaactctgt ccttccctgt tgccaatgtc 350
 tcgtgacta aggggtggacg tgatcgggtg ctgatgtatg gacagccgta 400
 tcgtgttacc ttagagcttg agctgccaga gtcccctgtg aatcaagatt 450
 tgggcatgtt cttggtcacc atttctctgt acaccagagg tggccgaatc 500
 atctccactt cttcgcgttc ggtgatgtg cattaccgct cagacctgt 550
 ccagatgctg gacacactgg tcttctctag cctcctgcta tttggctttg 600
 cagagcag 608

<210> 350
 <211> 590
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 38, 85, 87, 117, 189
 <223> unknown base

<400> 350
 aaatttgaaa ccataagtt accaagtcta tatcaggngc agtggctttg 50
 attaaagccc atttttaaaa cttaaaaact caacncntcc cagattataa 100
 tagaaaaaga aatggcntca gtttgatctc gttcagaatg cccagattg 150
 ttctgctttg gggcagctgt ttagttcaga gttatattnc agagaattat 200
 tttctgagat aatcttaaac tagaatgttc aaaactaatt gataattgaa 250
 gtatcaagat acgtagaaca cctcagagat ttttcttcag gaacttccac 300
 aaactttgaa tccttgatc tttatttggt attcatacta ctagtagcaa 350
 aatacagggt ttttggtttg ttttggtttg ttttggttc atagagtatc 400
 tcaaattgaa acttttctgc acaaagaata aaattaagga ttttataaac 450
 tcaaattggc acctactgaa ttaaaatata taaaatcatt taaatataat 500
 tcagcatatg ggaagtaaca ttgcactaat atggaaatca ctgccagaga 550
 cagtctatct tcttttaatt tggtactact tagtcacaaa 590

<210> 351
 <211> 517

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 65, 78
<223> unknown base

<400> 351
tcagaaggga atgaaatccn cagcggacct ggcacaaaa actttgggca 50
aagcaattga attgnaagca ataaaaacnga ctttatcaag tcctaaatgt 100
acaagagaag aagagaaaat cacttgacaa tgaagttgaa aagacagcaa 150
atcttgtcat tagcaactgg aatcagcaaa ttaaggccaa gaagaaatta 200
atggttagta ccaagaaaca tgaagcactt ttccagcttg tagaaagctc 250
caagcaatct atgactgaga aggagaagcg gaagctcctc aataaactga 300
caaatcaac tgaaaagttg gaaaaggaag atgaaaatta ctacaaaaa 350
aacatggcgg gttattctac cagactgaaa tgggaaaaca cactagagaa 400
ctgctaccag agcattcttg agctggagaa ggaaagaatt caacttttat 450
gcaataactt aaaccagtac agccaacata tttctctttt tggccaaacc 500
ctgaccacat gccacac 517

<210> 352
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 104, 126
<223> unknown base

<400> 352
tttaaagaaa tgggtaaata ctgagccttt ntgcaacctt ttttgaagc 50
accagccnc agaagattct gtgacttggt tgcttttagg tgcaccctca 100
gacntctggc tcagtacacc tcgggntgat tgagactggt gcctcagtct 150
ctcatttggg ttgacattat tcattttaat gaatgaatac atttgtcgca 200
gaaagtggaa ttctctcatt gttgagagaa aattctcagc ttgagtcaag 250
aagtttccat atttaccaga accttctagc ttgatgagc ataactcactg 300
ctaaaataat gtgtcttctg agcagctggg taccagtgcc tgtggcctgt 350
agcattagtt actgcctgag ggatgggtgac tggtaccgca gaatggtggg 400
cttcgttgac ttgtcttctc tcctctccct cttaccact tcccggagaa 450
acaggacagc aggcacagcc agtaacaagc tgtggtacgc ctccctggcc 500
ctggtgacgc tcatcatgta ttccattgcc actggaggct tggttttgat 550

ggcagtgtt 559

<210> 353
<211> 609
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 163
<223> unknown base

<400> 353
gtgggccaat gctgtccaaa ctacaggggg ttaatgtaaa gcttgtgnta 50
acatatgaaa agtatttaga aagagcttgg catgtagtaa cactcaata 100
aaagttagct actattatga agtgttttcc aatggtttat ttagaagcaa 150
aatagtatca gntagaagt ccaggcttgt ttttctccca aacatgtttt 200
cacaagtgct tccatgggtct ctttctcctt ttcttcttcc tcttctctta 250
aaaacatatt ttgctgtgtc tgcttgggtca tctttcactg ggccagagaa 300
agaatccctg agggttggac aaggggagca gctgagttgg tgagaaaagg 350
agcccagcag gttgaatgcc tcgaaccact gtgatgagct cttgagctgg 400
gtgccaatca aagtgaagca gtggggcttg ccaggtgaga tgttaatttc 450
agcagtcaca cgtgtccctg tctggactct ccttaggact cttgacccta 500
ccttgcagtg gtttgaaatg gattttatta gggtttcatt acattctcat 550
atcatttttt tcaacttggtta tctaagctac acgagagcca gtgtagtgct 600
ttgtccttg 609

<210> 354
<211> 603
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 27, 68, 74, 137
<223> unknown base

<400> 354
ccggtaaccc attgggcctg gcntaanaaa gtttttttaa gccattagac 50
gttttttaaag gaattggnag atgncaattg gggaaatatt taaaatttaa 100
gtaaaatata aagcttcctt atttcatgta acccagncaa tctcagtata 150
catgatcagt tgtgtctgac aggtaaatct atttgaggcc ttatcacacg 200
ttacttttaa gaactagaaa ggaaaagtca ctgatcttaa gtatttataa 250
tacttcatgt ggtctaatac tttttacgtt ttgttttgat tcagatttag 300
tccggattcc cggatatctg cagtaggttc tagtgagaac tcagtggatt 350

tttatgacct aacgctgggc cccactctta acagaatcag ctactgcaaa 400
gacattccaa gctttgtcat tcaaattggac ttctctgcag atagcagtta 450
tctccaggta cagtaccaat actgtatacc caggtggcaa gttcttctgc 500
ttttacattt cgtgttagtg aatgcattta aagttcctga gctccagagc 550
tccagcttct caactcctcc ctttgtacct tctgacctac agctcctctt 600
tcc 603

<210> 355
<211> 633
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 79, 101, 115, 122, 135, 161, 192, 204, 252
<223> unknown base

<400> 355
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cccagttgtt aaatttacag ttggttaant aaaagttttt cccagtacga 100
ncagggcgta atcanagatc cntaagtgtt tagtncaggg catgtgcttt 150
ttaaagtggg natggctatt tacagattgg cctacactgt tntgggtggga 200
gcntcagtg accaaggagc agaggtactt gaaaccacc cttgaagcca 250
tntggatgct cggttcattc aaatctgggg tgttctaacc caaagtaact 300
ggccacagac tgcaatgtaa gatacaaac ttcaggacct agtgtgtgca 350
catgttggct cttatataag atggcatcct tagtacttgt tctatgtaga 400
aaagaatttg tgggctcaca agtcctaca gagtctcaca ctctcatggc 450
caataagtat acagggatac ccggaattag acaaacacag atgagacatt 500
tatttctgta tatgaattta ttttatttat ttattttattt tttgggacag 550
ggctctgctc tgtoGCCcat cctggagtgc ggtggcctgg ctcatgcaa 600
gctccgcctc ccgggtttac accattctgc ctc 633

<210> 356
<211> 569
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41, 64, 83, 86, 115
<223> unknown base

<400> 356
ttaattagat aatttaaagt agcgtttttt tctacaatgt ntgaagaagt 50
gacctacgag acantcacat ttcaggattc tgntgnagca aggaataccc 100

gagatggaaa taacntaaga aaaagagggc atccagctcc atctcccatt 150
 tggcgctcatg ctgctctggg tctggtaact ctttgccatga tgttgctgat 200
 tgggctggtg acgttgggga tgatgttttt gcagatatct aatgacatta 250
 actcagattc agagaaattg agtcaacttc agaaaacat ccaacagcag 300
 caggataact tatcccagca actgggcaac tccaacaact tgtccatgga 350
 ggaggaattt ctcaagtcac agatctccag tctactgaag aggcaggaac 400
 aaatggccat caaactgtgc caagagctaa tcattcatac ttcagaccac 450
 agatgtaatc catgtcctaa gatgtggcaa tggtagcaaa atagttgcta 500
 ctattttaca acaaagagg agaaaacctg ggctaacagt agaaaggact 550
 gcatagacaa gaactccac 569

<210> 357
 <211> 565
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 7, 19, 117, 197
 <223> unknown base

<400> 357
 caaaaanagt gcccgtccng ttgttgtaag tgaagggacg gcagtcagtt 50
 gaccctgcag tgtgcaggcg agcgcaggga gtacgccatg tcttgagaag 100
 gggcgattct caggctntgg cagttacagc ttctcctcac cctgccgagc 150
 aaccaggcca cggggctccg tgcacgcca cctagagtgt taccctnttc 200
 cttgttcacg gaggttctcc gcagtgtgtg agaaagaggc cctctctcag 250
 atgaatggat aaagaaaatg caggacatat ggggggagga gccaatatgg 300
 ccgaatagga acagctccgg tctacagctc ccagtgtgag cgacacagaa 350
 gacaggcaag aagaataaat gtctctggtg gaacttttgc tctggtggaa 400
 ctgcttttct agaactggtg ttgcagcatc cctggaagtg tcagagagcc 450
 ctgggagtat ccaggtggcc cggggtcaga cagcagtcct gccctgcact 500
 ttactacca gcgctgccct cattaacctc aatgtcattt ggatggtcac 550
 tcctctctcc aatgc 565

<210> 358
 <211> 575
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 138, 536
 <223> unknown base

<400> 358
 gggtccctaa agattgaagc tttttaagac tcagcttttg acacatttac 50
 taattatact taattgttcc ttgggtgattt cccccccgtg ggtttgtttc 100
 ccttgaactc cacactcatt acgttcagag cctttttnta cactacttga 150
 attattttta tttaggtata taaaatactg gtggcaatag cataaattct 200
 aagtgttaaa cttgatgaag taatattgta cacctatgta agcactgccc 250
 agactgatat acattttacag cctaaggagg cttctttgtg ctgctttgct 300
 attaatattc cattgcccag aaatagcccc tctcctaatt tccataacca 350
 gagataagct tacatgtttt tccgcttcat gtaaattggaa tcgtacgctg 400
 aacccttttt tgtgtctggg ttcttttgct caacattatt tcatgcaaca 450
 ataaggatgg ctctctcaga cataatattc atttttatct atgtagtggt 500
 ttatgggaat tgcactgagt tagagaaaact gaagtntgaa ggaatagttt 550
 ccacaagact gccctcattt cagac 575

<210> 359
 <211> 553
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 60, 83, 87, 98, 104, 106, 170
 <223> unknown base

<400> 359
 agtgccgtcc cgggtgttgta agtgaaggac ggcagtcagt tgccttgacg 50
 tgtgcaggcn agcgcaggag taccgccatg tcntaanaag ggcgattntc 100
 aggnntntggc agtacagttt ctctcacc ctcagagcaaa ccaggccacg 150
 gggctccgtg catcgccacn tagagtgtta cctctctcct tgttcacgga 200
 ggttctccgc agtgtgtgag aaagaggccc tctctcagat gaatggataa 250
 agaaaaatgca ggacatatgg ggggaggagc caagatggcc gaataggaac 300
 agtcccggtc tacagctccc agtgtgagcg acacagaaga caggcaagaa 350
 gaataaatgt ctctgggtgga acttttgctc tgggtggaact gcttttctag 400
 aactggtggt gcagcatccc tggaaagtgtc agagagccct gggagtatcc 450
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 gctgccctca ttaacctcaa tgtcatttgg atggtcactc ctctctccaa 550
 tgc 553

<210> 360
 <211> 502
 <212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 57, 63, 68, 78, 84, 88, 138, 350

<223> unknown base

<400> 360

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 taggccaggt gggcttgttg caggacaccc ccagtgcntg gattacgggc 150
 cccctttcca gcccccttg caccttgagt tttgctctga ctatgagtcc 200
 ttcggtctgt gtgatcagca caaggaccgc cgcacgctg cccggtactg 250
 ggacatcatg gaatatcttg atctgaagag acatgagctg tgtggagatt 300
 acattaaaga catcctttgc caggagtgtc cgccctacgc agcccacctn 350
 tacgacgcgc aaaacaccca gacgcctctc cggaatctcc cgggcctctg 400
 ctctgattac tgctctgcct tccattctaa ctgtcactca gccatttccc 450
 tgctgaccaa tgaccgcggc ctccaggagt ctcatggaag ggacggtacc 500
 cg 502

<210> 361

<211> 459

<212> DNA

<213> Homo Sapien

<400> 361

cccacgcgtc cggcttgaag actgacaaga tgteccctgtg gactcccaaa 50
 ctctactcca gatggggagg tgcccttaac accaagattt taaaagctcc 100
 aatttcagag caagagtcga aaactcacag ataaagttat agttatttca 150
 gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200
 caaccttggc tcttttctct gtgtttgttt tcttgggaaa ctccagctgc 250
 gctccgcaga gactgttggg gagaaggaac tggactcctc aagctatgct 300
 ctacctgaaa ggggcacagg gtgcgccgtt catctccgac cagagccgga 350
 gaaaggacct ctccgaccgg cactgcccgg aaagacgaag cccaaatccc 400
 caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450
 gaaatcacc 459

<210> 362

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 23, 53, 59, 70, 357

<223> unknown base

<400> 362

aatcacccgg gtcgctgttc ctnaggtggt caaggtggac aggggcggtg 50
gtnatggcnc agtttgacan tgaataccag cgcctagagg cctcctatag 100
tgattcacc cccagggagg aggacctgtt ggtgcacgtc gccgagggga 150
gcaagtcacc ttggcaccat attgaaaacc ttgacctctt cttctctcga 200
gtttataatc tgcaccagaa gaatggcttc acatgtatgc tcatcgggga 250
gatctttgag ctcatgcagt tcctctttgt ggttgccctc actaccttc 300
tggtcagctg cgtggactat gacatcctat ttgccaacaa gatggtgaac 350
cacagtnttc accctactga acccgtcaag gtcactctgc cagacgcctt 400
tttgccctgct caagtctgta gtgccaggat tcaggaaaat gg 442

<210> 363

<211> 511

<212> DNA

<213> Homo Sapien

<400> 363

gtccgaacct gagcaaacac agcagcccga gtgttcccaa ggccaaaatg 50
ctgagaacgt ccactcctaa tctgtgtggt ggtctgcatt gccgggcccc 100
ctggctctct tctggcattc tctgcctctg cctcatattc ttgttaggcc 150
aggtagggctt gctgcaggga cccccccagt gcctggatta cggggccccct 200
ttccagcccc ctctgcacct tgagttttgc tctgactatg agtccttcgg 250
ctgctgtgat cagcacaagg accgccgat cgtgcccgg tactgggaca 300
tcatggaata ttttgatctg aagagacatg agctgtgtgg agattacatt 350
aaagacatcc tttgccagga gtgctcgccc taagcagccc acctctacga 400
cgccgaaaac acccagacgc ctctccggaa tctccggggc ctctgctctg 450
attactgctc tgccttccat tctaactgtc actcagccat ttccctgctg 500
accaatgacc g 511

<210> 364

<211> 407

<212> DNA

<213> Homo Sapien

<400> 364

cccacgcgtc cgtgaacaca caaagagctt attttgttag gcaaatacac 50
attaataaga atgcctagaa gaggactgat tcttcacacc cggaccact 100
ggttgctgtt gggccttgct ttgctctgca gtttggtatt atttatgtac 150
ctcctggaat gtgcccccca gactgatgga aatgcacctc ttccctggtgt 200
tgttggggaa aattatggtg aagagtatta tcaagccctc ctacaggaac 250

aagaagaaca ttatcagacc agggcaacca gtctgaaacg ccaaattgcc 300
 caactaaaac aagaattaca agaaatgagt gagaagatgc ggtcactgca 350
 agaaagaagg aatgtagggg ctaatggcat aggctatcag agcaacaaaag 400
 agcaagc 407

<210> 365
 <211> 552
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 42, 85, 93, 103, 129
 <223> unknown base

<400> 365
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 ttggtaaaag aggcaatgat acccccatga gagcnttcac atncagaacc 100
 agncagaact tcaaagggtt tgatgatanc aatgatgatt tcctgacaat 150
 ggacagaatgt caattcatta tcaaacatga acttgaaaat cttagagcta 200
 aagatgaaaa aatgatccct gggtaccctc aggcaaagtt gtatccagga 250
 aaatcattgt tgagaagatt gtcacgtct ggcatcgtga ttcaggtgtt 300
 tccactgcat gacagtgaag ccctgaagaa gcttgaggac acctggtaca 350
 ctgcggtttgc tttgaagtat cagcccatag agaatcacag attggaatct 400
 gcctatcaga accatctaata tctgaaagtt ttagtggttca acttcctcaa 450
 ttgctttgcc tcaactcttct atattgcctt tgtcttgaaa gatatgaagc 500
 ttttgcgcca gagcttggcc actctcctaa ttacctccca gatcctcaac 550
 cg 552

<210> 366
 <211> 244
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 74, 199
 <223> unknown base

<400> 366
 atttgattaa attatgaatg agttttacaa attcctttca gagttttact 50
 aagatcacac aaataacagc tttnttattc agtgaaaaag atattttatt 100
 tctgatgttt tatttgcact cgtggaatat gttaccatta atcagaaaca 150
 tcatggcaac ccctaagaat agactaagtt tgtgttggct gagggattnt 200
 atttggtttg cttttttttt gctttgttat attttattgc taca 244

<210> 367
<211> 448
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 100, 148, 251, 352
<223> unknown base

<400> 367
ggctacaact gctcaacatg ggaaaagaca ttccgggcag atcggctttt 50
gaaagcttaa agggagcttg atgctggcaa tgggatcaga gtgtttgacn 100
tgacatcggg atgttcattg ctagtctgac catctggctc ctctgtanaa 150
acattgttca gaaacctgtg acagacgaag cagcacagag taacccggag 200
tttgaaaatg aagaattggc tgaaggagaa aaaattgatt cagaagaggc 250
nctgatctat gaagaggatt tcaatggagg agatggtgtt gaaggcgagt 300
tggaagaaaag cacgaagtta aaaatgttcc gcaggcttgc ctctgtggcc 350
tntaagctca aggagttcat tggcaacatg atcaccactg ctgggaaaagt 400
cgttgttacc atottactgg gctcctcggg catgatgttg ccgtcttg 448

<210> 368
<211> 636
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 57, 81, 133, 156, 158
<223> unknown base

<400> 368
ttaagccgga aaatcccctt gaaccagaa gcggaaggtn cagtcaccca 50
aaatgnggcc cattgcattc cagcctcggg ncggagcaag actttgttta 100
aaaaaaaaat ttaaattagc cattaccctt agntaatttt taaatttttt 150
gtgaananag ggcctcactg tcttgcccag gctggtctcg aactccaggc 200
ttcaggtgat ccttctgcct tgccctccaa agggcgggat tacaggtgtg 250
agccactgtg cccaactcat tactttttta aaaaattact ttccatttct 300
agtttatata tgacaggtag ttactttaag tagtaaatat tatgtttaac 350
aataaataaa aatgatcagg atttcccccg acatgctttc ctttcttctc 400
ttttcttcc tttctctctc attttatccc ttctcctgcc ctttttggaa 450
gtccttattg gaggaaaaaa taacttgccc tatttgtttc ctactaatt 500
gttatcagtc tcgggtatca aggcaagcag attcaaattg ctgtaatata 550
tacagtgcaa ttagattaga gtctactaag aatttaattg gagaatgttc 600

aaaatactttt tctaaagtta attttttttag tattca 636

<210> 369

<211> 458

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 34, 38, 57, 73, 118

<223> unknown base

<400> 369

tagaagggtcc gtcattggacc ccagatccat ttcntagnaa ggccgtcatg 50

acaccnnga tccatttcct agnagggccg tcatgacacc ccggatcctt 100

ttcccctcag aggggctngt catgactcag acacatctcc tcccagagga 150

tccgtcatga ctctcagac acttcacccc caaggagggc ccgtcatgat 200

tctccagatc cttctccccc aaggaggcct cagcataatt cttcagggtgc 250

atctcctagg agagtccgtc atgattcacc agatccctct cctcctaggc 300

gagcccgta tggttcctca gatatctctt cccccagaag ggtccataac 350

aactcccctg acacatctag gaggactctt ggtctctcag acacacagca 400

actcagaagg gcccgatcatg actcccctga tttgggtcct aatgtcactt 450

attccctg 458

<210> 370

<211> 538

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 5, 20, 47, 88

<223> unknown base

<400> 370

cggangcgtg gccgaacgcg tgggtccaacc atatgccagg ttcaacncgg 50

ataaaaagtta ggaaacgtaa ccagcttcat ttttttgnca gcagacttaa 100

agatctgaaa cttggaacta atatcaagga tttatgtgct gctctttgga 150

ttctgatgaa gaatccagtg ctcatatgcc tagctctgtc aaaagctaca 200

gaatatttag ttattattgg agcttctgaa tttttgccta tatatttaga 250

aatcagttt atattaacac ccactgtggc aactacactt gcaggacttg 300

ttttaattcc aggaggtgca cttggccagc ttctgggagg tgtcattggt 350

tccacattag aaatgtcttg taaagccctt atgagattta taatggttac 400

atctgtgata tcaattatac tgcttgtgtt tattatTTTT gtacgctgta 450

atccagtgca atttgcctgg atcaatgaag attatgatgg aacagggaag 500

ttgggaaacc tcacggctcc ttgcaatgaa aaatgtag 538

<210> 371

<211> 692

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 51, 77, 87, 103, 119, 154, 158, 165, 183, 212, 329, 476

<223> unknown base

<400> 371

aataaaaaat ggcttaaaag aacatttccg aacaaaaagg aaccggttcc 50
ngccttaaca aagtgggaca ttggccttca aaggggncct catgggaaca 100
tcntgttttg cgggggacang cacaatggtc aagggcttcc ctaaccgttt 150
gcanaagnag ttaancagca tgtgtcccaa tgnccccgc aggtaaacgt 200
gctgcctgaa anagccagtc cgtgtggacc ggggctccat cctggcctca 250
ttcagggttt ccaaccattg tgggtccacc gctttgagta cgaggaacac 300
gggcctttct tcctctacag aaggtgttnt gaacggcgac aactttggcg 350
tcgtgagatt cttgtgaggc gtctgcctgg aagcggcgag caatttttgc 400
ttctttaaag agaaaaagaa ggctagggac tcagattcct ggattctgag 450
atccagacca gtcctccca gacctntcca gaagaagcca tgggaacccc 500
tcgtatccag catttgctga tcctcctggt cctaggagcc tcctcctga 550
cctcgggcct agagctgtat tgtcaaaagg gtctgtccat gactgtggaa 600
gcagatccag ccaatatgtt taactggacc acagaggaag tggagacttg 650
tgacaaaggg gcactttgcc aggaaccat actaataatt aa 692

<210> 372

<211> 399

<212> DNA

<213> Homo Sapien

<400> 372

gtgcgcataa agaggaggcg cttgccttca gcttgtggga aatcccgaag 50
atggccaaag caactcaact gtgcgttgc tccagggcct gctgattttt 100
ggaaatgtga ttattggttg ttgcggcatt gccctgactg cggagtgcac 150
cttctttgta tctgaccaac acagcctcta cccactgctt gaagccaccg 200
acaacgatga catctatggg gctgcctgga tcggcatatt tgtgggcac 250
tgctctttct gcctgtctgt tctaggcatt gtaggcacac tgaagtccag 300
caggaaaatt cttctggcgt atttcattct gatgtttata gtatatgcct 350
ttgaagtggc atcttgtatc acagcagcaa cacaacgaga ctttttcac 399

<210> 373
<211> 567
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 53, 78, 122, 286, 419, 449
<223> unknown base

<400> 373
tttaaggatg ttgccatgna ccatgttttt tcaaatttgc ttttcatttg 50
ggnccgtttt ggagtctttg accgctanga tgggttttcgt cgtctgggaa 100
cttgatcaga ctttgaagat tntaaatttg gaagatcagg gtgcactttt 150
gagtgatgat gaaatatttg tagccgccaa attgggaaac atacctgcat 200
ggccttgccg aaatactttg aggctcacct ggccattaaa ttggaacaag 250
tgaagcagtc acttcagagg actgagggtg gcattnttgt ccaccacaa 300
ccccgtaca aggcagtctc atatactcat gaacagattg tggaaatgat 350
ggaatttttg atagaatatg gccagcgca gctatatttg gaaccagctg 400
aagttttcct caaactttnt tgtgtgcaac ttttgttgca gcttatttnt 450
attgcctgca attggaagac ctattatgca aggaatgaca ctgtgcgctt 500
tgctttggat gtcttggtta ttcttactgt ggtgccaaaa atccagctcc 550
agttggcaga atcagtg 567

<210> 374
<211> 299
<212> DNA
<213> Homo Sapien

<400> 374
aaatttttta aaaaaactcc ttaataggcc cttttttttt ttaacctgaa 50
agttgactac ctacctttca ggaaatatat attttttggg tttagctagg 100
ttgactttct tctagaaatg gaaaagatgg caccctcggg accaaagtgc 150
tgggactctg cactatgctt gtgtgtatgt gtgtgcctct gtcttgctct 200
cttatctccc agcagtgaga cattggacgt gtttgctcat gaagatgcag 250
tatatggctt gtctgtgagc ccagtgaatg acaacatttt tgccagttc 299

<210> 375
<211> 556
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 53, 55, 66, 111, 156, 188, 295, 517, 552
<223> unknown base

<400> 375

<400> 377
 ttgactggg tgtaagaata tgctgttcca gcagaccaag gatggcattg 50
 ggaaatctgc ntntggggta ggcacatctt catgggctat ttggaaagtg 100
 agacttgaaa ctacagaggg catcgatgat gaaggctggg tacactctgg 150
 ggatttggggc cagctggacg gtntgggttt cctctatgtc accggccaca 200
 tcaaagaaat ccttatcact gctggtggtg aaaatgtgcc cccattcct 250
 gttgagacct tgggttaagaa gaagatcccc atcattagta acgcatgtt 300
 agtaggagat aaactgaagt ttctgagcat gttgctgacg ctgaagtgtg 350
 agatgaatca gatgagcggg gaacctctgg acaagctgaa cttcgaggcc 400
 atcaacttct gtcgggggnt gggcagccag gcattccaccg tgactgagat 450
 tgtgaagcag caagaccccc tggntacaa ggccatccag caaggcatca 500
 atgctgtgaa ccaggaagcc atgaacaatg cacagaggat tgaaaagtgg 550
 gtcattcttg agaaggactt ttccatctat ggtggagagc taggtccaat 600
 gatgaaactt aa 612

<210> 378
 <211> 282
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 194
 <223> unknown base

<400> 378
 gtggaggaag aagacattat acaaaacaaa tttagaaact gggatcatga 50
 gtggaaaaac aaaggcaaga agggctgcca tgttttttag acgttgcctt 100
 gaagacgcca gcggtagcgc cagtggcaat gctttgttat cagaggacga 150
 aaatcctgat gcgaatgggg taactcgatc atggaagatt attntaagta 200
 caatgcttac actgactttt cttctttag gactcctaaa tcatcagtgg 250
 cttaaagaaa cagatgttcc tcagaaatcc ag 282

<210> 379
 <211> 680
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 35, 71, 77, 173
 <223> unknown base

<400> 379
 agccaaaatc cttggccaaa tttngcattt ccaantccgg aggccaagaa 50

aggaagaaag ttccccaggt ngaaaancaa acttggattt tcagcaatat 100
ggatttatta atcaaatgtg gttaccattt gggcccttcc gggggatttt 150
aagtactttt ccatacctag ctnttataca tactattatt ctcatggcag 200
tagcaacttt tggttcaa atcccaaaac atgctcaaaa gtagaacatt 250
ttgtttcaat attaggaaag tgctttgaat ccccttggac gacaaaagcg 300
ttgtctgaga cagcatgcca agactcagag gaaaacaagc agagaataac 350
aggtgcccag actctacca agcatgttcc taccagcagt gatgaaggga 400
gccccagtgc cagtacacca atgatcaata aaactggctt taaattttca 450
gctgagaagc ctgtgattga agttcccagc atgacaatcc tggataaaaa 500
ggatggagag caggccaaag ccctgtttga gaaagtgagg aagttccgtg 550
cccatgtgga agatagtgc ttgatctata aactctatgt ggtccaaaca 600
gttatcaaaa cagccaagtt cattttttatt ctctgctata cagcgaactt 650
tgtcaacgca atcagctttg aacacgtctg 680

<210> 380
<211> 660
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 55, 96, 146, 162
<223> unknown base

<400> 380
cggatccttt aaaatccctg acctngaccc aagggtccgg taaaatcaat 50
ttgtnntacc caaagaccaa tttttgacat atcttgaata ggatgnctat 100
aaattatgac ttttaaattg ttgtaatttt tgtactatta tctganattt 150
ttatttttat gnattttcgt aagtagttta gagatagtca cattttaaaa 200
atctaagatc aagcaaatga agcttatttt tatgtattca tagtataaaa 250
gccttcagta aataggtaat atttttgttt tattctagaa aacagctcct 300
tgaacacagt gagctggctt ttcacacatt gcagttgtta gtgtttactg 350
cccttgccat ttttaattatg aggctaaaga tgtttttgac accgcacatg 400
tgtgttatgg ctcccttgat atgctctcga cagctctttg gctggctttt 450
tcgcagagtt cgttttgaga aggttatctt tggcatttta acagtgatgt 500
caatacaagg ttatgcaaac ctccgtaatc aatggagcat aataggagaa 550
tttaataatt tgccctcagga agaactttta cagtggatca aatacagtac 600
cacatcagat gctgtctttg cagggtgcat gcctacaatg gcaagcatca 650
agctgtctac 660

<210> 381
<211> 652
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 35, 118, 136, 183, 281, 349
<223> unknown base

<400> 381
gaataagttg ggattttttna gcaaggattc caatntgatt cttaaaaaag 50
gagttagcca taaagccagt ggttttaatt agattcagat ttgattttta 100
aattttacgg gtttcagntt cagggaatgc taccncaaa atgagatttc 150
attactatat accagtgaat tttctactct canattttct gtaatgtcat 200
ttttcatagt taggttttag aaagtatcta atcaggttgt gatggtcaaa 250
taaagggttc aaacacattt ctattttctg nttcaataaa tattttttat 300
attgcttatt cttatctatc ttacctaatt ttcttctat ctttttcgnt 350
aactttcttt ttttttattt tcttctaatt aagattctgc tttcttcac 400
taaacctgtc ccaaaaacct atgtaccaa acttggaag ggtgatgtaa 450
aggataagtt tgaagccatg cagagagcca ggaagaaag aaatcaaag 500
agatctagag acgaaaaaca aagaagaaa gaacaatata ttagagagag 550
agaatggaac aggagaaagc aggaggttat tttattttac tttattctcg 600
tgaaaatatt tgtttgcatt tttcattta aattgtattt attcacatta 650
ac 652

<210> 382
<211> 397
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 345
<223> unknown base

<400> 382
gtccatggag ctggtggtca aggtggacag gggcgggtgt gatggcgag 50
tttgacactg aataccagcg cctagaggcc tctatagtg attcaccccc 100
aggggaggag gacctgttg tgcacgtcgc cgaggggagc aagtcacctt 150
ggcaccatat tgaaaacctt gacctcttct tctctcagat ttataatctg 200
caccagaaga atggcttcac atgtatgctc atcggggaga tctttgagct 250
catgcagttc ctctttgttg ttgccttcac taccttctg gtcagctgcg 300
tggactatga catcctattt gccacaaga tggatgaacca cagtnttcac 350

cctactgaac ccgtcaaggt cactctgcc aacgcctttt tgcctgc 397

<210> 383

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 38, 85, 121, 432

<223> unknown base

<400> 383

ggatgggaag gatcgattaa aggattggct ttggaanac ttactggtgg 50

gaataagggtt ggccttgtgc aaagtcccca aggcntgaca ttagtttgc 100

ggcaaggcaa ttgattcctc ntttcaacat cgcttatgca gctttctgtt 150

cttcggtaat ctatgaattt ttggatcgtg tcatcaaag tccattggtt 200

ccttcttcct ggtgagtgc ctgctgatca acgttctgaa agtgagccca 250

ttcaacaacg gtcaactggg catgggatct ttcgtaaga atgagttttc 300

ggccccctcc taccttatgg gctataataa atccttgagt gtggtggcaa 350

ccacaacttt tctgactggg attattcagc taataatggg cgtattgggt 400

ttgggcttca ttgccactta cttccggag tntgcaatga gtgcttacct 450

ggctgctgtg gcacttcata tcatgctgct ccagctgact ttcattcttg 500

ggattatgat tagtttccat gccgtccca tctccttctt ctatgacata 550

attaattact gtgtagctct ccc 573

<210> 384

<211> 561

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 40, 73, 120, 487

<223> unknown base

<400> 384

tgtttatgtc acctaccttc ncctttttta gttttgtccn agcaaacctt 50

gcagaatttt agatgaacat ggnaaaaatg ttacaatctg tgggcctgac 100

tttggtaag acctgtacan agatgaaaac ttgggtgacta tactggggac 150

cagcttctta atcggatgta tcttgattc atgtttgaca tcaacaacaa 200

gatcgagttc tgacgctctg caggggcgat acgcagctcc tgaattggag 250

atagctcgct gttgtttttg cttcagtcct ggtggagagg aactgaaga 300

gcagcagccg ggaaggagg gaccacgggt catttatgac gagaagaaag 350

gcaccgtcta catctactcc tacttccact tcgtgttctt cctagcttcc 400

ctgtatgtga tgatgaccgt caccaactgg ttcaactacg aaagtgccaa 450
catcgagagc ttcttcagcg ggagctggtc catcttntgg gtcaagatgg 500
cctcctgctg gatatgcgtg ctgttggtacc tgtgtacgct ggtcgctccc 550
ctctgctgcc c 561

<210> 385
<211> 562
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 77
<223> unknown base

<400> 385
aacagggggg cgcgttgntc cagaaatggt tccccgggg aaagtggcat 50
cacttaatga cattcagcca acttacngaa tcctgaaacc atgggtggaat 100
gtgtttatgg attacctagc tgttggtatg ttaatggtag ccatctttgc 150
aggaaccatg caactttacc aaagatcagg tgggtctgttt gccagtattg 200
ccatctcctg taaattcaaa ggcacataca ccaccaggaa atgccgaggt 250
caccaccaac atcccaaaga tggaagcagc caccaaccaa gaccaagatg 300
ggcggacaac aaacgacatt tcctttggga catctgctgt gacacctgac 350
atacctctca gagccacata tcctcgaca gatttcgcac ttccaaatca 400
ggaggcaaag aaagagaaga aagatccaac aggtcgaaaa acaaacttgg 450
attttcagca atatgtatgtt attaataaaa tgtgttacca tctggccctt 500
ccgtgggtatt ctaagtactt tccataccta gctottatac atactattat 550
tctcatggtc ag 562

<210> 386
<211> 265
<212> DNA
<213> Homo Sapien

<400> 386
atcaagttgg tgaagaaaga acctatgaaa tctgtacaaa agattggggc 50
tttgttcttc ctgttaagtg gtgtactggg gatgaccgga agcatggcct 100
tgattgtttt ggattgggta cacaatgcac ctggaggtgg ccattaattg 150
gcaccactca aactcaaact cagtccatct gatgccagtg ttgagtaaac 200
tcaactacta tgaaatttca cctaattgtt tcagtttcac ttccttttga 250
agtgcagatt cctcg 265

<210> 387
<211> 457

<212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 30, 33, 50, 75, 92, 124, 173, 177, 218, 223, 235, 247, 285, 290,
 325, 437
 <223> unknown base

<400> 387
 tggatttaat ggggggaaaag ggcggaaaaan ggncaaggat ccaaactggn 50
 gaatttggtg attttcgggt ccctntccgc ttccggccg gncagcgtg 100
 ccaaggggat atttcctttt ttengatcct gcaacaagcc tctttaaact 150
 gtttaaata gaatgtcctt ggntcanaga gtactactca cctggctttt 200
 cacactactc ttcttganca tgntggtgtt gaaanggat agaaagncct 250
 tggactggtt cctcatattc attccagttg gaaanttgan actatccttc 300
 ttgtcctgct gattgtgaaa atggntgggc ggtgtaagtc tggctttgac 350
 cctcgacatg gatcacacaa tattaataaa aaagcctggt acctcattgc 400
 aatgttactt aaattagcct ttgcctcgc actctgnggt aaactggaac 450
 agttttac 457

<210> 388
 <211> 617
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 55, 80, 88, 107, 161, 181, 198, 203, 219, 233, 259, 272
 <223> unknown base

<400> 388
 gttaggatgat ccagggttttg ggggtttttgc aacccttggg gtcattgggc 50
 ccttnaaatt aatcttcggg gggggtcctn gccatggna gccaaacatt 100
 ttggggnaca taccatttgg ttctgtaatc ggggcgtttt cagtttcctg 150
 tgtaaagggc ntgggcattg ctatcaagga nctgtttgca ggaagcntg 200
 tgntgcggca tcccctggnt tggattctgc tgntgagcct catcgtctgt 250
 gtgagcacnc agattaatta cntaaatagg gccctggata tattcaacac 300
 ttccattgtg actccaatat attatgattc tttaacaacat cagttttaac 350
 ttgttcagct attcttttta aggagtggca agatatgcct gttgacgatg 400
 tcattggtac tttagtggtc ttctttacaa tcattgtggg gatattcttg 450
 ttgcatgcct ttaaagacgt cagctttagt ctagcaagtc tgctgtgtc 500
 ttttcgaaaa gacgagaaaag caatgaatgg caatctctct aatatgtatg 550
 aagttcttaa taataatgaa gaaagcttaa cctgtggaat cgaacaacac 600

actggtgaaa atgtctc 617

<210> 389

<211> 365

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 20, 44, 50, 96, 107, 180, 185, 211, 289

<223> unknown base

<400> 389

aaaaaaaaa aaaaagaatn tgactatata ccatggaaaa gccnccactn 50
tgccacttaa ataaacatca ggatcagaga ttccaagagg acaatntgca 100
tcaagtnttc accaagtgtt ttttaagcga aataatgaaa tagggagcag 150
aatatgcctg ttgcccatag aaacgaggtn tattnttgtc ctcaattagg 200
cttttttttt nttcatagtt acaccagaac taaagtaaaa gtgggtttttc 250
tgttctttct acttctcccc atgaaatggg catatcatnt caacacttca 300
ctccaagtcg ccacgggcaa ccttatgacc ctaggtcctc caccctaata 350
gtatcatcat tgcca 365

<210> 390

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 209, 233

<223> unknown base

<400> 390

agggcgcccc tttcgagccc aagtttccag ttcggggtttc cgggctcaga 50
attttccagg agtgggttct tgggcagtgg ctgtggagca ggaatggcgc 100
agtagagggg tactgtttct cggccgcctt gagctgtacc ttttagtgt 150
cctgcctcct tttctccgcc ttcagccggg cgctgcgaga gccctacatg 200
gacgagatnt tccacctgcc tcaggcgcag cgntactgtg agggccattt 250
ctccctttcc cagtgggatc ccatgattac tacattacct ggcttgtagc 300
tggtgtcagt tggagtggtc aaacctgcca tttggatctt tggatgggtc 350
gaacatgttg tctgctccat tgggatgctc agatttggtta atcttctctt 400
cagtgttggc aacttctatt tactatattt gcttttccac aa 442

<210> 391

<211> 587

<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 74, 103, 117
<223> unknown base

<400> 391
ccagtttttc atggacatag aaaattccaa aagaataata atattgaatt 50
taaatttggg ggggttaaaa aaanaaaact taactttata aaattattta 100
ttntatttta agccttntat catattttcc ccatccaatt gtttggtttc 150
agtgtccag cttttattta caggcatata aaagaaattg tgagatgttt 200
tgcaagcttt tttttacttt gagagctttt aatttgtatg tttttatgtg 250
gatgaagagc attttttatg tttttgtgca ataggttcca atatgcattt 300
attagacatc tgtttaaatg gtaatgtagc atttattttg ctaaattgaa 350
agggaaacata gatggaattc caaaatatgt acattcagct gtttggtttt 400
tcgtttttca ttgttattat tgtgagaatg ctgttattgg ggttgtgtgt 450
gagtgccgt cagccagtga tgcctcgggc cacgctgtgg ggccacctca 500
gtcctgctgg gtcctggtgc cttggacccc acgtgcttgt ggccaggctg 550
ccctggggcg gggccatgtg gcctcagacc acaagag 587

<210> 392
<211> 444
<212> DNA
<213> Homo Sapien

<400> 392
cgtctccagt ctacctccga gagattagct gaaacacaga atatagcgcc 50
atcattcgtg aaggggtttc ttttgcgga cagaggatca gatgttgaga 100
gtttggaaa actcatgaaa accaaaaata tacctgaagc tcaccaagat 150
gcatttaaaa ctgggttttc ggaagggttt ctgaaagctc aagcactcac 200
acaaaaaacc aatgattccc taaggcgaac ccgtctgatt ctcttcgttc 250
tgctgctatt cggcatttat ggacttctaa aaaaccatt tttatctgtc 300
cgcttcgga caacaacagg gcttgattct gcagtagatc ctgtccagat 350
gaaaaatgtc acctttgaac atgttaaagg ggtggaggaa gctaaacaag 400
aattacagga agttgttgaa ttcttgaaaa atcccgaacc cctt 444

<210> 393
<211> 284
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 95, 109, 186, 244
<223> unknown base

<400> 393
 ggtcaagttc agtagtggtc tcaataagtg tgtaaactt gctttgggtg 50
 attgcaatca gcatgggatt tggccatttc tatggcccaa ttcanattca 100
 gaagcgtcna cagttagtc gaaagataca tgaagatgaa ttgaatgata 150
 tgaaggatta tctttcccag tgtcaacagg aacaanaatc ttttatagat 200
 tataagtcac tgaaagaaaa tcttgcaagg tgttggaacac ctantgaagc 250
 agagaagatg tcctttgaaa ctcaggaacc cctt 284

<210> 394
 <211> 481
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 47, 94, 130, 192
 <223> unknown base

<400> 394
 gcagtgggtg atcataggca ctaaccctca aactcctgaa gttcaanaga 50
 ttgtcccatg tcagcctccc aagtagctgg gactatagac aggngccatc 100
 atgccagct aattatTTTT ttaattttan agaagagtct tgctagggtc 150
 cccaggctgg tctogaactc ctgacctcaa ataactctcc cncctcaac 200
 ctctgaagta gctgcaatga cagggtgcaag cccactgtgt ttggctagag 250
 tctcatgttt ttctaattcc aaaaaagtgc cataatgatt ttgattcaga 300
 ttgtattgag ttacacatt aatttaagaa gtgacatctt cataatacta 350
 actttcccca aaaagaaaca gggatatgtt ttccatttat atgagtgggg 400
 ttttttttgt tttgttttta cgttttgtag tttcttcat atagggtttg 450
 ccagaggttc ccaaactttc ttggttcacg g 481

<210> 395
 <211> 508
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 69, 473
 <223> unknown base

<400> 395
 agcatgggaa aggtaggaac cnagggaag gggccccccg agcgcaaggt 50
 gtcggtgcc accttcagnt ggaggagatt caaaagcata acctgcgcac 100
 cgacaggtgg ctggtcattg accgcaaggt ttacaacatc accaaatggt 150
 ccatccagca cccggggggc cagcgggtca tcgggcaacta cgctggagaa 200
 gatgcaacgg atgccttccg cgccttcac cctgacctgg aattcgtggg 250

caagttcttg aaaccctgc tgattggtga actggccccg gaggagccca 300
gccaggacca cggcaagaac tcaaagatca ctgaggactt cggggccctg 350
aggaagacgg ctgaggacat gaacctgttc aagaccaacc acgtgttctt 400
cctcctcctc ctggcccaca tcatcgccct ggagagcatt gcatggttca 450
ctgtctttta ctttggcaat ggntggattc ctaccctcat cacggccttt 500
gtccttgc 508

<210> 396
<211> 519
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 38, 50, 74, 160
<223> unknown base

<400> 396
aatggtacaa cagtccctta atggttgccn caatggcntg aaatccaagn 50
attacagact tttgtgataa ggtnaagctt ggggcacgt cctagaaacg 100
gtggccacaa gtgggggttg gacctcgtg gccttcatgc tcaactctcc 150
gatcctcgtn tgcaagggtgc aggactccaa caggcgaaaa atgctgccta 200
ctcagtttct cttcctcctg ggtgtgttg gcacttttg cctcaccttc 250
gccttcatca tgggactgga cgggagcaca gggccacac gcttcttcct 300
ctttgggata ctcttttcca tctgcttctc ctgctgctg gctcatgctg 350
tcagtctgac caagctcgtc cgggggagga agcccccttc cctgttggtg 400
attctgggtc tggccgtggg cttcagccta gtccaggatg ttatcgctat 450
tgaatatatt gtctgacca tgaataggac caacgtcaat gtcttttctg 500
agctttccgc tctcgtcg 519

<210> 397
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 96
<223> unknown base

<400> 397
gacctcgacc ccagggtccg gttntacttt gtctgctg ctgctgggg 50
ccctgggtct atgtgcatcc tcttactat ctactggatg cagtantggt 100
gtggggcttt gcctggaatg gcagcattta catgttcaac tggcaccag 150
tgcttatggt tgctggcatg gtggtattct atggaggtgc gtcactggtg 200

atcctggact tgacccaggn gtccgttgat tggaaccggg ggtcggcaaa 50
 acaagtccgc tgggcagcag gagnagcagn aggattatta aataacgcag 100
 ttggactctg gcaactggga gtgaagagga gccaacagc cgagaaggga 150
 aggaggcana ggagggggac cagaaggaca ccccggtgcc ccgaagacat 200
 aaatccctga gtgcccggga ggagccttaa caagcgcacg gagccctcaa 250
 ggtgcaaagt tggttttcac agtgcaagcc tttgattccc aatgggggac 300
 tcaggatcaa gacgatctac cctggtctcc cggttgccaa tattcagaag 350
 aagtattaac agaagacatg attctcttcc ttcttcacct tcttcagta 400
 atacagttgg tgtccacagt tcctctcctt ccagcactaa ctcaagctca 450
 ggtagcacag gtaaaccggag gagcatattc cgtactcctt ccattagctt 500
 ccaccataag aaggggagtg agcctaagca agagcctacc aaccag 546

<210> 400
 <211> 562
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 26
 <223> unknown base

<400> 400
 ggcttcctc ggcgccacc gncctnttcc ggaaggcggc tccttcctg 50
 cgcagcccg agccctgag atcagcctcg agcaggcgcc cgagcgagac 100
 tatccctaaa cggaacggc ggtggccgac tcgcgagtga ggaaaagaag 150
 gaaagggcag actggtcgcg aagagaagat ccaggcctca gaggaggaga 200
 aaggccggag ccagccgagc tgtcacgacc ggagggggga ctgcgagcct 250
 taccaggggg gtgatgtttt acaggcactt aagtattcat cgaagagtca 300
 cccagtagc ggtgatcaca gacatgaaaa gatgcgagac gccggagatc 350
 cttcaccacc aaataaaatg ttgcggagat ctgatagtcc tgaaaacaaa 400
 tacagtgaca gcacaggtca cagtaaggcc aaaaatgtgc atactcacag 450
 agttagagag agggatggg ggaccagtta ctctccacaa gaaaattcac 500
 acaaccacag tgctcttcat agttcaaatt cacattcttc taatccaagc 550
 aataacccaa gc 562

<210> 401
 <211> 536
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 21, 99, 114
<223> unknown base

<400> 401
taacaaccac agaaactgga ntagtgggcc tacagtagct gcagctgata 50
ccactgaaac taattttccct gaaactgcta gcaccacagc aaatacacnt 100
tctttcccaa cagntacttc acctgctccc cccataatta gacacatagt 150
tcctccacaa ttctacacc tgctcccccc ataattagta cacatagttc 200
ctccacaatt cctataccta ctgctgcaga cagtgaagtc accacaaatg 250
taaattcatt agctacctct gacataatca ccgcttcata tccaaatgat 300
ggattaatca caatgggtcc ttctgaaaca caaagtaaca atgaaatgtc 350
ccccaccaca gaagacaatc aatcatcagg gcctcccact ggcaccgctt 400
tattggagac cagcacccta aacagcacag gtcccagcaa tccttgccaa 450
gatgatccct gtgcagataa ttctgtatgt gttaagctgc ataatacaag 500
tttttgctg tgtttagaag ggtattacta caactc 536

<210> 402
<211> 470
<212> DNA
<213> Homo Sapien

<400> 402
ccacagtatg gaagaatatc cctgacttct agccctgtgc gccttctttt 50
gtttctgctg ttgtactaa tagccttgga gatcatgggt ggtgggcact 100
ctctttgctt caacttcact ataaaatcat tgtccagacc tggacagccc 150
tgggtggaag cgcaggctct cttgaataaa aatcttttcc ttcagtacaa 200
cagtgacaac aacatgggtc aacctctggg cctcctgggg aagaaggtaa 250
atgccaccag cacttgggga gaattgacct aaacgctggg agaagtgggg 300
cgagacctca ggatgctcct ttgtgacatc aaaccccaga taaagaccag 350
tgatccttcc actctgcaag tcgagatgtt ttgtcaacgt gaagcagaac 400
ggtgcactgg tgcacctgg cagttcgcca ccaatggaga gaaatccctc 450
ctctttgacg caatgaacat 470

<210> 403
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 29, 39, 124
<223> unknown base

<400> 403
gtcgggtggt acggcgcgtc cctgcaggng agttcgtgna cgacgacgtg 50

tgggcatcg tgaacaaacc ccgacgtgcg ggcccggcgc cccgctccgt 100
 tggggcatct tcaccaacga cttntggggc aagggcatgg ccgagaacac 150
 cagccacaag tcctaccgcc gctttgcgtc ctcaccttca agctaaacat 200
 atttttgact ggtatgaacc cattctactt tcatgcagta aatataattt 250
 tacactgctt agtgactctt gtgctgatgt acacctgtga taaaactgtc 300
 ttcaagaatc gtggacttgc ttttgtaacg gcattgcttt ttgctgtaca 350
 tcctattcat actgagggcg tggctgggat cggtggcaga gcgacgtgt 400
 tagcgtgtct gctgtttcta ttggccttcc tctcgtacaa caggagtctg 450
 gatcagggct gtgttggggg aagtttccct tccacgggtg ctccttctt 500
 cttgctgct 509

<210> 404
 <211> 400
 <212> DNA
 <213> Homo Sapien

<400> 404
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 tgtcttgctc acatcgtaaa tgactttctc tccgaaacgc taaatattct 100
 tccccgcagg agctcatatc cttattttcc atgacagatc ttaacggaca 150
 atatatgcaa aagatatata aagatgataa ctaatatagt tatactgagc 200
 ctgatcattt gcatttctgt agctttctgg attatatcaa tgactgcaag 250
 cacctattat ggtaacttac gacctatttc tccgtggcgt tggctgtttt 300
 ctgttgttgt tcctgttctg atcgtctcta atggccttaa aaagaaaagt 350
 ctagatcaca gtggggctct aggagggcta gtcgttggat ttatcctaac 400

<210> 405
 <211> 370
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 27, 36, 118, 138, 163, 179
 <223> unknown base

<400> 405
 aatgccccca agttaaatat ctcctcnacc tttaacntaag ttgctccttt 50
 atttttattt tattattatt attattatta ttattttttg agatggagtc 100
 tcactttgta acccaggntg gaatgcaatg gcatgatntc agctcactgc 150
 aacctccgcc tcntgggttc aagcaagtnt cctgcctcag cctccgagta 200
 gctgggacta caggtgcacg ccaccacgcc tggctaattt tttgtatttt 250

agtagagacg gggtttcacc gtgttgccca ggctggtcgc gaactcctga 300
gctcaggcaa tccgcccacc tcagcctccc aaagtgttgg gattacaggc 350
atgagccacc atgccagct 370

<210> 406
<211> 473
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 72
<223> unknown base

<400> 406
gggcttgaaa atctaaatac tttgaaatta gaataatata ttgtgtttta 50
gagctttaaa ttttcaaata tntgctgtcc acacacccca ttggaggagg 100
acctgtgtca ctaacccaaa tttgtagctg agaaaacaga ggagagaga 150
ggtaagtaa aaaaccccaa gagagttcac ctaatatgt gaagaaagca 200
aaccagggt ttcactaact tgtccatgtg tgtatgtgtg tggtgcgtt 250
caccctgtg tgtgtgtgta ctgtgtgcat gcctgtgtgt ttgtgcacac 300
ccatgtgtat gtacctgcat acacacccaa gtgtgtgtgt taccacaacg 350
aaagcgcaga ttattgaaa agaaagtgc ctcacagag tgggagcagg 400
ctagagccag tggtcagga gcctggttac agcattttct ggagtttaag 450
tgccctccag agttttccca ttg 473

<210> 407
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 51, 98
<223> unknown base

<400> 407
cagccaggcc agagaggag ccgagccagg ccatntccaa ccatgtccga 50
ngaggcctcg gccatcactt cctacgagaa gtttcttaac cccgagnag 100
cccttcccac tcctgggacc ttctcgcg gggggcacct gccgagcaa 150
ggagccgggc tgctggaca tcaagcgact tcgggtgcca gctgtcctcc 200
tgccatcgca ccgaccgct ccaccgctt cacaccaaca ggtggaacct 250
aacttcttgt ggaacaagtg ttgccagctc agaaggcagt gaggagctgt 300
tttcatctgt gtctgttga gatcaagatg attgctattc cctgttagat 350
gatcaggact tcacttctt tgatttattt cctgagggga gtgtctgcag 400

tgatgtctct ttttttatta gcacttactg ggattgggtca gatagcgagt 450
ttgaatggca gttaccaggc agtgacattg ccagtgggag tgatgtactt 500
tctgatgtca taccagtat tccaagttca ccttgcttg 539

<210> 408
<211> 545
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 55, 93, 146
<223> unknown base

<400> 408
tcaaaaaggt tgcattcatt ttgcataaac agggacttta tatagttaac 50
tcccnttata taaattctcc tatagtaatc tcaaagagta ttntagactt 100
ctcaatgctt tttattgttg ctgaaaagca aaaagacttg ctgtgnaagt 150
ggagaagact tcaacatcaa agtgattttt tctactctcc taggaatgaa 200
aggaacacaa agggacccgg aagcatttct tgtccagatt gtgtcaaat 250
ctcaattgcc atctgagaat agagaaggta aagtgtgttg gactggcttg 300
ttctgtgttg tatttggaga cagtctcttg gagactgttt cagaagattt 350
cacctgtctg cccttattcc ttgcaaatgg agcagagtct aacacagcaa 400
taattggaac ttggtttcag aaaacctttg actgttattt cagtccttta 450
gcaatcaatg catttaatct ttctggatg gctgccatgt ggactgcatg 500
caaaatggac cattatgtgg ctactactga atttctttgg tctgt 545

<210> 409
<211> 585
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 77, 118, 121, 203
<223> unknown base

<400> 409
gacatttatt tttcatccat tgcaacccat tgccataaga acatncccat 50
ggccttgaag cgcttcacag cagcatngtg gaatgcagaa ttggagccaa 100
gcaattttca aagcaagntt nctgaaaatg aaaaaaaata cttatattga 150
aaaacttttt gagcggttat gtgaaaatgg aagattatcc ttttttggtt 200
tgnagaaact ttttaacaaac ttgggccttg gagagagaaa agtagttgag 250
attaatcatg aggatcttgg ccacgatcat gtttctcatt tagatatttt 300
ggcagttcaa gagggaaagc attttcactc acataaccac cagcattccc 350

ataatcattt aaattcagaa aatcaaactg tgaccagtgt atccacaaaa 400
 agaaaccata aatgtgatcc agagaaagag acagttgaag tgtctgtaaa 450
 atctgatgat aaacatatgc atgaccataa tcaccgccta cgtcatcacc 500
 atcgtttgca tcatcatctt gatcataaca acactcacca ttttcataat 550
 gattccatta ctcccagtga gcgtggagcg gccgc 585

<210> 410
 <211> 446
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 45, 56, 67, 221, 289, 446
 <223> unknown base

<400> 410
 tacctattcc caggtttaat gttgattatt tatatttgaa aaaanttgat 50
 ttgtanaaac tgggtanatt actttcaaat taatcattta ttcctaattg 100
 accagggatg agtgagatgt ttatttagaa aacaaataat tttagatagg 150
 aaaattgaat ctttaaaaaa taatggatg ttaatatatc aatgtgtggt 200
 ttttgtgtgt atgtgtgtaa nattggagca tccaggagtg tgcggtgtgt 250
 atatgacctt atttttctac tgtatcttag aggttgccnc ttccatgggt 300
 ataaaactta attggatttc tcatgtttta ttttgtttat gcaactttac 350
 aacttatgtc attttaggtt gtttattaat gccagttttg tataataaaa 400
 ttattagaga agttatgaag gaggatggca tgagtggggc ggccgn 446

<210> 411
 <211> 525
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 67, 95
 <223> unknown base

<400> 411
 acgcagagcg ttttcatttt ccacgggtct gtccttgtca aagcacaccc 50
 ctcggtgtcc aggttcntca tgggcaagtg ctcggggtga caaanaaggc 100
 gacattgact acagcacctg gtcctcggc atgctggtga cgcaggacgt 150
 gcagctcggg cttttcatgg ctgtcatgcc gactctcata caggcgggca 200
 ccagtgcac ttctagcatt gtctggaag ttctccgaat cctggttttg 250
 attggtcaga ttcttttttc actagcggcg gtttttcttt tatgtcttgt 300
 tataaagaag tatctcattg gaccctatta tcggaagctg cacatggaaa 350

gcaaggggaa caaagaaatc ctgatcttgg gaatatctgc ctttatcttc 400
 ttaatgttaa cggtcacgga gctgctggac gtctccatgg agctgggctg 450
 tttcctggct ggagcgctcg tctcctctca gggccccgtg gtcaccgagg 500
 agatcgccac ctccatcgaa ccccc 525

<210> 412
 <211> 457
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 27, 37, 114, 213
 <223> unknown base

<400> 412
 cagttttttt atagtgaata ccaaaancat cagcaancac tggactgtca 50
 acccaaggct tattgatatt tgcggagttg atttctgcga ttaagagacg 100
 ttggctcgcc ttontcgtga tcattgtgag cctgggctat ggcattgtga 150
 agcctcgttt aggaacagtc atgcaccggg tgatcggact ggggcttcta 200
 tacttaatct ttncagctgt tgaaggcgtg atgagagtca ttgggggttc 250
 taaccattta gctgttggtc ttgatgacat tatttttagca gttattgact 300
 ccatttttgt gtggttcatt tttattagtt tggcaciaaac tatgaagacc 350
 ctaaggctaa gaaagaacac tgtgaaattt tcattatata gacattttta 400
 aaatactctg atctttgctg tgctggcttc tatagtgttt atgggggtggg 450
 cggccgc 457

<210> 413
 <211> 541
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 51, 54, 80
 <223> unknown base

<400> 413
 acgtggtctg cctgttattg gaaagatata ttaagatcca gttctggatt 50
 ncanctgttt attttttttg gaaatgcttn aaaaagcagt ttttttatag 100
 tgaataccaa aacatcagca acactggact gtcaacccaa ggcttattga 150
 tatttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 200
 gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 250
 agtcatgcac cgggtgatcg gactggggct tctatactta atctttgcag 300
 ctgttgaagg cgtgatgaga gtcattgggg gttctaacca tttagctgtt 350

gttcttgatg acattatattt agcagttatt gactccattt ttgtgtgggt 400
cattttttatt agtttggcac aaactatgaa gaccctaagg ctaagaaaga 450
acactgtgaa attttcatta tatagacatt ttaaaaatac tctgatcttt 500
gctgtgctgg cttctatagt gtttatgggg tgggcggccg c 541

<210> 414
<211> 523
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 172
<223> unknown base

<400> 414
accggcccggt gagccggccn tgcgccggca ggtcgcgga catactgtgg 50
cgcgttttgg gctggaggat agttgcaagt attgtttgg cagtgtatt 100
tctaccatc tgcaccacag tatttataat tttcagcagg attgatttgt 150
ttcatcctat acagtggctg tntgattctt tcagtgcact gtatagttcc 200
tatgtaatct tttacttcct gctgctgtca gtggaataa taataataag 250
tattttcaat gtggagttct atgcagttgt gccttctatt ccttgcctca 300
gactagctct gatagggaag atcattcatc ctcagcaact catgcactca 350
tttattcatg ctgcaatggg aatgggtgatg gcctgggtgtg ctgcagtgat 400
aaccagggc cagtacagct ttcttgtggg tccctgcact ggtactaaca 450
gctttggtag cctgtgtgcg caaacctgct taaatgaata tcatcttttt 500
ttcctactga ctggagcggc cgc 523

<210> 415
<211> 544
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 30, 40, 117
<223> unknown base

<400> 415
gnccacactg gccaaacggg gcatcatggn cacactgccn aaatagggcc 50
gccatgttgc agcaggatag taatgatgac cctgaagatg tttcactgtt 100
tgatgcggaa gaggagncca ctaatagacc aaaaaagcca aaatcagaca 150
tccagtagca tcgtttttcc actttattct ttcgagtcag tgcaatcatc 200
gtctatcttc tctgtgagtt gctcagcagc agctttatta cctgtatgg 250
gacaattatc ttgttgttgt cgtgtgactt ttgggcagtg aagaatgtca 300

caggtagact aatggttggc ctacgttggg ggaatcacat tgatgaagat 350
 ggaaagagcc attgggtggt tgaatctaga aaggagtcct ctcaagagaa 400
 taaaactgtg tcagaggctg aatcaagaat cttttggttg ggacttattg 450
 cctgtccagt actgtgggtg atatttgctt ttagtgcaact cttctccttc 500
 agagtaaagt ggttggcggg ggttatcatg ggtgtggcgg ccgc 544

<210> 416
 <211> 473
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 35, 46, 62, 69, 142, 185, 252
 <223> unknown base

<400> 416
 cagcagtcct tatgattatg gaggaaagt gaggnccctt atagcnaaac 50
 aggtatgctg gntatgaent attcgagca aaggcagatt tgtcccctcc 100
 agacatgatg cagccacaac agccatacac cgggcagatt tnccagccaa 150
 ctcaggcata tactccagct tcacctcagc ctttntatgg aaacaacttt 200
 gaggatgagc cacctttatt agaagagtta ggtatccaat ttgaccaca 250
 tntggcaaaa aacactaaca gtattacatc cgttaaaagt agcagatggc 300
 agcatcatga atgaaactga tttggcaggt ccaatggttt ttgccttgcc 350
 ttttgagacc acattgctac tggctggcaa aatccagttt ggctatgtat 400
 acgggatcag tgcaattgga tgtctaggaa tgttttgttt attaaactta 450
 atgagtatga caggtgcggc cgc 473

<210> 417
 <211> 417
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 31, 53, 80, 96, 110, 130, 227
 <223> unknown base

<400> 417
 taattgttta ttgggaaatg gaggattaag nacatttttc aatttgtgca 50
 tgnagaggaa gacctgaagg ttcagcatan tagctacaag acagangggc 100
 ccggctgttn aaggaccagc tctccctggn aaatgtgcac tttcagatca 150
 caagatgtga aattgcagga tgcaggggtg taccgctgca tgatcaagct 200
 atggtgggtg cgactacaag cgaattnctg tgaaagtcaa tgccccatac 250
 aacaaaatca accaaagaat tttggttggt gatccagtca cctctgaaca 300

tgaactgaca tgtcaggctg aggggttacct caaggccgaa gtcattctgga 350
 caagcagtga ccatcaagtc ctgagtggta agaccaccac caccaattcc 400
 aaggagagagg cggccgc 417

<210> 418
 <211> 585
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 64, 67, 70, 78, 109, 152
 <223> unknown base

<400> 418
 aggtgcttgt gctcgaacct agtgggtggg gcggtgctcc tcaagcttgt 50
 gtgcctgcta acctontgn gtccgggntg gcaagagtgt gggactttcc 100
 ccctggcgnc cgtggacaac atgatggta gaaaagggga cacggcgggt 150
 gnttaggtgt tatttgaaag atggagcttc aaagggtgcc tggctgaacc 200
 ggtcaagtat tatttttgcg ggaggtgata agtggtcagt ggatcctcga 250
 gtttcaattt caacattgaa taaaaggac tacagcctcc agatacagaa 300
 tgtagatgtg acagatgatg gccatacac gtgttctgtt cagactcaac 350
 atacaccag aacaatgcag gtgcattctaa ctgtgcaagt tctcctaag 400
 atatatgaca tctcaaata tatgaccgtc aatgaaggaa ccaacgtcac 450
 tcttacttgt ttggccactg ggaaaccaga gccttccatt tcttggcgac 500
 acatctccc atcagcaaaa ccatttgaaa atggacaata tttggacatt 550
 tatggaatta caagggacca ggctggggcg gccgc 585

<210> 419
 <211> 575
 <212> DNA
 <213> Homo Sapien

<400> 419
 taaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 50
 cccatcaaag ggaatgaact tcacatgaag acttataacc ctgccttctc 100
 ccgggttggg aatctgggtc cggtttttct ttgtgggtgct caccttcac 150
 gtcacttgcc tgtttgcgca ttccctccgg aaattttcca tgagagactg 200
 gggcatcgag cagaagtggg tgtctgttct cctgcctctg ctgctacttt 250
 acaatgatcc gttcttcccc ctctccttcc tggcacaacag ctggctccca 300
 gggatgctgg atgacctctt tcagtcctatg ttctgtgctg ccctgctgct 350
 cttctggctg tgcgtgtacc acgggattcg tgtccaggga gaaagaaagt 400
 gtttaacttt ctatttgcct aaattcttca ttgttggaact attgtggttg 450

gcttctgtta cgctaggaat atggcaaaca gttaacgaat tacatgatcc 500
aatgtaccag tatcgagttg ataccggaaa ttttcaggga atgaaggtct 550
tcttcatggt gggggcagcg gccgc 575

<210> 420
<211> 572
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90
<223> unknown base

<400> 420
gtgtctgctc gccctccgac gctgctcagg aatttgcaag aaactgaagt 50
tttgattcag atatatatttg aattgaaacc agagatgttn tagagttag 100
attctttcat ttgattaagg tatggtctga atatgcgttg ctgggcagct 150
cgggtcaact ataagacttt gattattatc tgcgcactct tcactttggt 200
cacagtactt ttgtggaata agtggtccag tgacaaagca atccagtttc 250
cacggcgctc gagtagtggc ttcagagtgg atgggtttga aaaaagagca 300
gcagcatctg agagtaacaa ctatatgaac cacgtggcca aacaacagtc 350
tgaggaaagca ttccctcagg aacagcagaa agcaccacct gttgttgggg 400
gcttcaatag caatgtggga agtaaggtgt tagggctcaa atatgaagaa 450
attgactgtc tcataaatga tgaacacaca attaaaggga gacgagaggg 500
gaacgaagtc tttcttccat tcacttgggt tgagaaatat tttgatgttt 550
atggaaaagg ggtggcgggc gc 572

<210> 421
<211> 581
<212> DNA
<213> Homo Sapien

<400> 421
aggctccggt gtctgctcgc cctccgacgc tgctcaggaa tttgacaaga 50
aactgaagtt ttgattcaga tatattttga attgaaacca gagatgttct 100
agagtttaga ttctttcatt tgattaaggt atggtctgaa tatgcgttgc 150
ttggcagctc ggggtcaacta taaggctttg attattatct gcgcactctt 200
cactttgggtc acagtacttt tgtggaataa gtgttccagt gacaaagcaa 250
tccagtttcc acggcggttcg agtagtggct tcagagtgga tgggtttgaa 300
aaaagagcag cagcatctga gagtaacaac tatatgaacc acgtggccaa 350
acaacagtct gaggaagcat tccctcagga acagcagaaa gcaccacctg 400

ttgttggggg cttcaatagc aatgtgggaa gtaaggtgtt agggctcaaa 450
tatgaagaaa ttgactgtct cataaatgat gaacacacaa ttaaaggag 500
acgagagggg aacgaagtct ttcttcatt cacttgggtt gagaaatatt 550
ttgatgttta tggaaaggtg ggggcggccg c 581

<210> 422
<211> 264
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 36, 139, 173, 224, 246
<223> unknown base

<400> 422
ttcttttttt tccccngca attttttcag tgaaanacat ggagtctttc 50
atcttggaga gttgtcagag tcaagatttt gctgtttag ccagtgttt 100
aaaacaattc acaaagactt tctaggagag gaagagagnc tgaggggaaga 150
agagatacag aaaaagaaaa tgnccaggatt gaacctggaa actcacagaa 200
tctctgactc atgetggaaa tgtntttggg tacctcttgc cttttntgtg 250
ttggcggcgg ccgc 264

<210> 423
<211> 601
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 36, 78, 88, 207
<223> unknown base

<400> 423
tgaaaggacc cctagttccc ctggcaaatg nttttnttca atccccact 50
tcattttcct taagagccat tccaagtntc ttctttntc gataccccaa 100
ccagctcaca tcccactcaa ggggtgagat gccctcctca ccattgaaga 150
gatcaagccc ccagggggga accagctcaa ctccccctc tgtctctccg 200
aagagcntcc tgtttgaaaa ctgaggcag ctgtaccccg tgcgaagttc 250
ttgctcccggt cccccatgt cttccaggat ttctcttcat agtggggatt 300
actcgtaaac ctttcttcc tcacctactt ccccttttcc ttcagctttc 350
accgtgttta aatcttctaa taattctttt tatgacatct tgtttttcaa 400
gctcttctcc agtgatccct ccacttctcc aatggccctt ttcactaaac 450
ctccaaattt gtctttgtg acatttattg agctgtatt acatgttcta 500
aatgctttac ttgtcgtatt taatcctaac aacaacctac aaggtaggcc 550

ttgctattat ctccatttta tagttgaaga aactgaggct gccgcggccg 600

c 601

<210> 424

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 68, 71, 78, 104, 106, 194, 237, 309, 319, 416, 462

<223> unknown base

<400> 424

tatcggcaca ttggcaaaga caacattcag gcccaatggc ccacaaattg 50
gtccgcccaa tgccattntg naaaaggntt cactgcaaat tacaaaagca 100
tcctnatga aaagagattg gaaaggcctc tccaagcaac tggactggga 150
tggtcgaagc attcagcgtt ggttcgcaa gacgcaatca gganaagccc 200
aagcacggct gacgaggttc tgtgagagca tgtgganatt ttcattttac 250
ctttatgtat ttacctacgg agtcagattc ctgaaaaaga ccccttgggt 300
gtggaatang aggcattgnt ggtacaacta cccctatcag ccactcacia 350
ctgaccttca ctactattac atcctggagc tgcgttttta ttggtctttg 400
atgttttctc agttcncctga tatcaaaaga aaggactttg gcattatgtt 450
cctgcactac cntgtatcta ttttcttgat taccttttca tatgtcaaca 500
atatggcccg agtaggaacg ctggctcctt gtcttcatga ttcagctgat 550
gctcttcttg aggtcgccg cgc 573

<210> 425

<211> 632

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 19, 110

<223> unknown base

<400> 425

atTTTTtgaa attaatgcnt gagctttatt ttgtttaatt gttatgccca 50
ctggattggg acaagcatca cctctgaatt ttgaagacct taatgtgtgt 100
tagccattgn aaagctactc aagtgcgtgt caagagtcac acccacatcc 150
ctttgatcaa atttactaca cgagctgcac tgacattcta aactgggtta 200
aatgcacgcg gcacagagtc agctatcgga cagcctatcg acatggggag 250
aagactatga caggcgcaag tctcagtggt gtccctggatt ttatgaaagc 300
ggggaaatgt gtgtcccca ctgtgctgat aaatgtgtcc atggctgctg 350

tattgctcca aacacctgtc agtgtgagcc tggctgggga gggaccaact 400
gctccagtgc ctgogatggt gatcactggg gtccccactg caccagccgg 450
tgccagtgca aaaatggggc tctgtgcaac cccatcacgc gggcttgcca 500
ctgtgctgcg ggcttccggg gctggcgctg cgaggaccgc tgtgagcagg 550
gcacctatgg taacgactgt catcagagat gccaatgcca gaatggagcc 600
acctgcgacc acatcacggg gctggcggcc gc 632

<210> 426
<211> 251
<212> DNA
<213> Homo Sapien

<400> 426
ttttcaatga aaaaaagaat cccaaaaaaa aaagttgtca gcctcatttg 50
tgcgtcatcc cttattttcc tgggatctca ggacctctgt ccctctcatt 100
tctcacttct gagatctgca catcttttac ccaggagcct cagagctcct 150
gagtctggtg tctgcctatc cccatcttca ctgttagtcc tcctgcagat 200
tctgtgtctc ctttcatgta ggtgctggat ccctgtgtgt ggagcggccg 250
c 251

<210> 427
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 99, 150
<223> unknown base

<400> 427
acaaagtttc ccaatgactt gttaaaagtc gatggtgtag ctcaagatgg 50
aaccncnaat gtacattaat aacaaaagtt cacaacgggc aaaggaccnt 100
cacatgtgca aggaaaatgt gcggagatta ttgggctcac cttgggtacn 150
tgaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 200
cccatcaagg gaatgaactt cacatggaag acttataacc ctgccttctc 250
ccggttgga atctgggtcc ggtttttctt tgtgggtgctc accttcacgc 300
tcacttgcct gtttgcgcat tcctccgga aattttccat gagagactgg 350
ggcatcgagc agaagtggat gtctgttctc ctgcctctgc tgctacttta 400
caatgatccg ttcttcccc tctccttctt ggtcaacagc tggctcccag 450
ggatgctgga tgacctctt cagtccatgt tcctgtgcgc cctgctgctc 500
ttctggctgt gcgtgtacca cgggattcgt gtccaggag aaagaaagtg 550
tttaactttc tatttgcta aattcttcat tgttgacta ttgtggttgg 600

cggccgc 607

<210> 428
<211> 583
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 119
<223> unknown base

<400> 428
gcatccgctt gactgcatnt gagttttccc agtctgtctt tggggatggg 50
gccatgccat agtcttgatg tcttggtgcc tgtgattttt gcagataaga 100
tgacttggcc catggcccnc agatcactta ttctggggaa gtgtaggaac 150
agtggttgcc taacccaagt tcttacatga tgtacctttt tcctttctaa 200
aaaataactt aaaaatatga aatatactaa ttgtttcag atattacata 250
caattggaaa gtggacaagt tcctgtatat gctgtcactt ttcaagaacc 300
tgagaatgat cctcggaatt gctgttactt gtgggctgtt cagtctacac 350
aagataggta ggtctcatac aaactttgtt ttgttttgtt ttgttttttt 400
ggagacagag tctcgtctcg ttgtccaggc tggagtgcag tggcgtgatt 450
tcggctcact gcaacctccg cctcccggat tcatgccatt ctctcgctca 500
gcctcccag tagctgggac tacagggtcc tgccaccatg cctggctaata 550
ttttatattt tcagtagaga cgggagcggc cgc 583

<210> 429
<211> 462
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51-52, 54
<223> unknown base

<400> 429
ttaatttaaa aatatgaaaa gtaaaaatgg gattttgtct tatttgtgtt 50
nnanagctgg cttttcacac atgcagttgt tagtgtttac tgccttggc 100
attttaatta tgaggctaaa gatgtttttg acaccgcaca tgtgtgttat 150
ggcttccttg atatgctctc gacagctctt tggttggtt ttctgcagag 200
ttcgttttga gaaggttatc tttggcattt taacagtgat gtcaatacaa 250
ggttatgcaa acctccgtaa tcaatggagc ataataggag aatttaataa 300
tttgctcag gaagaacttt tacagtggat caaatacagt accacatcag 350
atgctgtctt tgcaggtgcc atgcctacaa tggcaagcat caagctgtct 400

acacttcac tcattgtgaa tcatccacat tacgaagatg cagacttgag 450
ggctgcggcc gc 462

<210> 430
<211> 546
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 6, 36, 64
<223> unknown base

<400> 430
ggccncact ggccaaaata gttggaatgc cttttnttat tcaccaatgg 50
ggcccaaggg gaanagtggg tgtttggggg gcctttttgc accatcatca 100
catccctgga tacttgtaac caatttgcct gtagtgccat catgactgta 150
atgagtgtgg acaggtactt tgccctcgtc caaccatttc gactgacacg 200
tggagaacaa ggacaagacc atccggatca atttgggcct ttgggcagct 250
tcctttatcc tggcattgcc tgtctgggtc tactcgaagg tcatcaaatt 300
taaagacggg gttgagagtt gtgcttttga tttgacatcc cctgacgatg 350
tactctggta tacactttat ttgacgataa caactttttt tttccctcta 400
cccttgattt tgggtgtgcta tattttaatt ttatgctata cttgggagat 450
gtatcaacag aataaggatg ccagatgctg caatcccagt gtacccaaac 500
agagagtgat gaagttgaca aagatggtgc tgggtgctggc ggccgc 546

<210> 431
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 64
<223> unknown base

<400> 431
aggtgtcacc atggcaaagc ttcccttctt gattctctcg agtttgttga 50
agcgtntacg gttncactga cggattcaga agctcatttt acctcagctt 100
tcattgaaac tacctcctat cttgagtctt cactcatttc ccatgaatcc 150
gcagtactg cactgggtgcc ccccggtctg agtcttttga cattttgact 200
gccgggattc aagcaacatc accattgacc actgtccaca caacgcccac 250
tttaactgag tcttctttgt tctcaactct gacacctcct gacgacaaa 300
tcagtgtctt agacgggtcac gtgtctgtcc tggcctcttt ctccaaagcc 350
attcccactg agctgaccgt cgtgggcccac tcttcacac ccacagaggt 400

gccactgaac acctccacgg aagtgagcac aaccagcacc ggtgctgcca 450
 ctggtggtcc cctcgactcc accctgatgg gtgacgccgc aagtcagagc 500
 cccccagaga gtagtgctgc tctctc 526

<210> 432
 <211> 525
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 93, 107
 <223> unknown base

<400> 432
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 ctaatcatga tgcatttcaa aagtggactc ggaatttaac tgngttgcaa 100
 aacatgncag tgcccagagga tgataacatt agcaatgact ccaatgattt 150
 caccgaagta gaaaatggtc agataaatag caagtttatt tctgatcgtg 200
 aaagtagaag aagtctcaca aacagccatt tggaaaaaaa gaagtgtgat 250
 gagtatattc caggtacaac ctctttaggc atgtctgttt ttaacctaa 300
 caacgccatt atgggcagtg ggattttggg actcgccctt gccctggcaa 350
 acactggaat cctacttttt ctggtacttt tgacttcagt gacattgctg 400
 tctatatatt caataaacct cctattgatc tgttcaaaag aaacaggctg 450
 catggtgtat gaaaagctgg gggaacaagt ctttggcacc acaggggaagt 500
 tcgtaatctt tggagccacc tctct 525

<210> 433
 <211> 558
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 23, 111, 130, 146
 <223> unknown base

<400> 433
 ccaacccaat taccaagcag atncttttgg gggattccag ccatcagaca 50
 aggaacccat ggcagctgca gggttttttg cattgtgcaa gcttatgctt 100
 tcttgcatat ntgagagccg attaacaaan caagagttcc agaccntttt 150
 ctttttgggt gtatcactag ctgcaggtgc tgtgttcctt agtgtcatct 200
 atttgactta tacaggttac attgcacat ggagtgccag gttttattca 250
 ttgtgggata ctgggtatgc aaaaatacac attccaatta ttgcatcagt 300
 gtctgagcat caacctacga cttgggtgtc tttcttcttt gatctacata 350

ttcttgtatg taccttccca gcaggccttt ggttctgcat caaaaatata 400
aacgatgaaa gagtatttgt tgctctatat gcaatcagtg ctgtctactt 450
tgctggagtg atgggtgcgac tgatgttgac tttgactcca gtcgtgtgta 500
tgctgtctgc aattgccttt tcaaagtgtt ttgagcacta tttgggggct 550
gcggccgc 558

<210> 434
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74
<223> unknown base

<400> 434
attgcagctg ttattttttt ggaaatgctt gaaaaagcag ttttttatag 50
tgaataccaa aacatcagca acantggact gtcaacccaa ggcttattga 100
tatttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 150
gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 200
agtcattgcc ggggtgatcg actggggctt ctatacttaa tctttgcagc 250
tggtgaaggc gtgatgagag tcattggggg ttctaaccat ttagctgttg 300
ttcttgatga cattatttta gcagttattg actccatttt tgtgtggttc 350
atttttatta gtttggcaca aactatgaag accctaaggc taagaaagaa 400
cactgtgaaa ttttcattat atagacattt taaaaatact ctgatctttg 450
ctgtgctggc ttctatagtg tttatggggc gagcggccgc 490

<210> 435
<211> 536
<212> DNA
<213> Homo Sapien

<400> 435
ggccacactg gccaaactaa aatttttggg attgcagatg acgctcatat 50
tggcaactta ctaacatcaa aattcttttag ttataaggat tttgatactt 100
tattgtatac ctgtgcagcg gagtttgact ttatggaaaa agagactcca 150
ctgagataca caaagacatt attgcttcca gttgttcttg tagtgtttgt 200
tgctattggt agaaagatta ttagtgatat gtgggggtgc ttagctaaac 250
aacagacaca tgtaagaaaa caccagtttg atcatggaga gctggtttac 300
catgcattgc aattgtagc atatacagc cttggtattt taattatgag 350
actaaaactc ttcttgacac cacacatgtg tgttatggca tcaactgatct 400

gctcaagaca gctatTTTgga TggctctTTT gcaaagtaca tctTggtgct 450
attgtgtTTTg ctatattagc agcaatgtca atacaaggTT cagcaaattct 500
gcaaaccag Tggaatattg taggggaggc ggccgc 536

<210> 436
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 40, 57, 66
<223> unknown base

<400> 436
agggtTTTtaa taggactanc agtacgatgg gcagtgtctn ttaattTTTta 50
ttcaggnTgct ggtaanccgc ctatgtTTTgg Tgattatgaa gctcagagac 100
ctggcaagaa ataactTTTt aattTaccgg tcaaacaatg gtattTTTacc 150
agcagtgata acaattTaca gtattgggga ttggattacc cacctctTtac 200
agcttatcat agtctcctat gtgcataTgt ggcaaagTTt ataaatccag 250
actggattgc tctccataca tcacggTgga tatgagagTc aggcacataa 300
gctctTcatg cgtacaacag tTTTaattgc Tgatctgctg attTacatac 350
ctgcagtggT tTTgtactgt TgtTgctTaa aagaaatctc aactaagaaa 400
aagattgcta atgcattatg catctTactg tatccaggcc ttattctTtat 450
agactatgga catTTTcaat ataattctgt gagtctTggc tTTgctTTgt 500
ggggtgcggc cgc 513

<210> 437
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 48, 72
<223> unknown base

<400> 437
cactggccaa aaaattcgat gcgaggccca gnaagcacgc tgaaaccntg 50
gcggcgccaa gctgtgcgac tntTTTgcgg ccggcctggg caggtgtctt 100
cctcgagagg caggcagggg atccccgaca ctagctTTtat cgtcatctgg 150
gaaattgtta aaaatgcaaa ttcgcaagtt tgagagccat ggttccaaga 200
aactgcataa gcatacgaaa taagttgcag cctcccgact tataccctgg 250
tacttctagt ctaaaacagg atttgactct actaatccag ccttatacag 300
gatgctgtgt tctTTgctcc tTTgtgaatg tctgtTgctg gtagctggtt 350

cttctatcct acagtctatg ttagaaattg cagatcctat tgttttggca 250
 ctgggagcat ntagagacaa gagcttgtgg aaacacttcc gtgctgtaag 300
 cctttgttta tttttattgg tattccctgc 330

<210> 440
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 46, 64, 82, 85, 88, 169
 <223> unknown base

<400> 440
 accaccttgc ccatttattt tggcccttgt taaaccaata actgcntatc 50
 cagatatgcc acanttttgc ctgctgtggc ancntcntg gataggtgct 100
 cttgttaatc acatggatgt tatataagag ttgggccggc ccagcacaca 150
 aggtcagcat gtgctcttnt gtcacgctct cgctatagct gttgtccaga 200
 tcgttatctt ctcagaaagc tgggcatttg ccaagaacat caacttctat 250
 aatgtgaggc ctctctcga ccctacacca ttccaaaata gcttcaagtg 300
 ctttacttgt gaaaacgcag gggataatta taactgcaat cgatgggcag 350
 aagacaaatg gtgtccacaa aatacacagt actgtttgac agttcatcac 400
 ttcaccagcc acggaagaag cacatccatc accaaaaagt gtgcctccag 450
 aagtgaatgt ctttttgtcg gttgccacca cagccgagat tctgaacata 500
 cggagtgtag gtcttgctgt gaaggaatga tctgcaatgt agaattacc 549

<210> 441
 <211> 303
 <212> DNA
 <213> Homo Sapien

<400> 441
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 acattcagct gtttggtttt tcgtttttca ttgttattat tgtgagaatg 100
 ctgttattgg ggttgtgtgt gagtgcccggt cagccagtga tgctcgggc 150
 cacgtgtggt ggccacctca gtctgcctg ggtcctggtg ccttggaccc 200
 cacgtgcttg tggccaggct gccctgggc ggggccatgt ggctcagac 250
 cacaagagcg gagctgccct ggccaagca ctgcagctgc ctgcaccccc 300
 ggg 303

<210> 442
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
<221> unsure
<222> 22, 38, 63, 90, 138
<223> unknown base

<400> 442
cgaccgccct tcgcggggca gnaaggccag ggggtgctnag ttctttcacc 50
tcctttttaga ctnaagattt gccaaagttt ccggcattgn tcttgaggat 100
ctcagaaggg ctctttaagc aagactgcaa atgggtgngt atttgtcatg 150
aaccgaatga attccccaga acagtgggtt cactcagcgc aggggaatgg 200
ctctttggga ttgttattct tctgcttggt gatgtgatat gggttgcttc 250
ctctgaactt acttcgtatg tttttaccca gtacaacaaa ccattcttca 300
gcacctttgc aaaaacatct atgtttgttt tgtacctttt gggctttatt 350
at ttggaagc catggagaca acagtgtaca agaggacttc gcggaaagca 400
tgctgctttt ttgacagatg ctgaagggtta ctttgctgct tgcacaacag 450
atacaactat gaatagttct ttgagtgaac ctctgtatgt gcctgtgaaa 500
ttccatgatc ttccaagtga aaaacctgag agcacaacaa ttgatactga 550
aaaaacccc 559

<210> 443
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 50
<223> unknown base

<400> 443
gacctcgacc caagggtccg cgganggggtg ggactgggtca tggatctttt 50
gtcaagaatg agtttcggcc ccctcctacc ttatgggcta taataaatcc 100
ttgagtgtgg ggcaaccaca acttttctga ctgggattat tcagctaata 150
atgggcgtat tgggtttggg ttcattgcca cttaccttc ggagtctgca 200
atgagtgctt acctggctgc tgtggcactt catatcatgc tgtcccagct 250
gaactttcatc tttgggatta tgattagttt ccatgccggc cccatctcct 300
tcttctatga cataattaat tactgtgtag ctctcccaa agcgaattcc 350
accagcattc tagtatttct aactgttggt gttgctctgc gaatcaacaa 400
atgtatcaga atttctttca atcagtatcc cattgagttt cccatggaat 450
tatttctgat tattggcttc actgtgattg caaacaagat aagcatggcc 500
acagaaacca gccagacgct tattgacatg attccttata gctttctgct 550
tcctgtaac 559

<210> 444
<211> 547
<212> DNA
<213> Homo Sapien

<400> 444
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tattttcttg gctatattcc caaagcttgg attagcactg ctatgaacct 100
tcacatagat gagcagggtc ataggccact tgacacagtg agtggcctct 150
taaattctctc gttactctac catgtctggc tgtgtggtgt ctttctcctg 200
acgacttggg atgtctcatg gatactcttc aaaatctatg ccacagaggc 250
tcatgtgttt cctgttcaac caccatttgc agaaggggtca gatgagtgcc 300
ttccaaaagt gttaaatagc aatcctcccc ccatcataaa gtatttagcc 350
ttgcaggacc tgatgttgct ttctcaatat tctccttcac gaagacaaga 400
agttttcagc ctcagccaac caggtggaca tccccacaat tggacagcca 450
tttcaaggga gtgtttgaat cttttaaatg gtatgactca gaaactgatt 500
ctctatcaag aagctgctgc tacgaatggg gggcatcatg cggccgc 547

<210> 445
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 69, 176
<223> unknown base

<400> 445
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ggaagagaca ttttcagcnt ggacgtggat ggccgcgttc tgggtggtgat 100
agttaccttt ggcataattc tccctctgtg tctcttgaag aacttaggga 150
tcttggtat actagtggat tttcntgag ctgtatggtt tttttcctaa 200
ttgtggttat ttacaagaaa tttcaaattc cctgcattgt tccagagcta 250
aattcaacaa taagtgctaa ttcaacaaat gctgacacgt gtacgcaaaa 300
atatgttacc ttcaattcaa agaccgtgta tgctttaccc accattgcat 350
ttgcatttgt ttgccaccg tcagtcctgc caatttacag tgagcttaaa 400
gaccgatcac agaaaaaaat gcagatgggt toaaacatct cctttttcgc 450
catgtttgtt atgtacttct tgactgcat ttttggtac ttgacattct 500
atgacaacgt gcagtccgcg gccgc 525

<210> 446
<211> 510

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 287
<223> unknown base

<400> 446
gnccacactg gccaaaaggt tgccgctagc cgcttgggaa tttaagggac 50
ccacactacc ttcccgaagt tgaaggcaag cgggtgattgt ttgtagacgg 100
cgctttgtca tgggacctgt gcggttggga atattgcttt tccttttttt 150
ggccgtgcac gaggcttggg ctgggatgtt gaaggaggag gacgatgaca 200
cagaacgctt gccagcaaa tgcgaagtgt gtaagctgct gagcacagag 250
ctacaggcgg aactgagtcg caccggtcga tctcganagg tgctggagct 300
ggggcagggtg ctggatacag gcaagaggaa gagacacgtg ccttacagcg 350
tttcagagac aaggctggaa gaggccttag agaatttatg tgagcggatc 400
ctggactata gtgttcacgc tgagcgcaag ggctcactga gatatgcaa 450
gggtcagagt cagaccatgg caacactgaa aggcctagtg cagaagggcc 500
ctgcggccgc 510

<210> 447
<211> 551
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 95, 98, 107, 207, 374
<223> unknown base

<400> 447
aagttttttt ttaattatca tgggacgggt tntggattta atggggggaa 50
aagggcggaa aaggacaagg atccaaactg gggaatttgt tgatnttngg 100
gtccctntcc gctttccggc cggcagcggc tgccagggtta tatttccttt 150
tttcogatcc tgcaacagcc tctttaaaact gtttaaatga gaatgtcctt 200
ggctcanaga gtactactca cctggctttt cacactactc ttcttgatca 250
tgttggtggt gaaactggat gagaaagcac cttggaactg gttcctcata 300
tttattccag tctggatatt tgatactatc cttcttgtcc tgctgattgt 350
gaaaatggct gggcgggtgta agtntggctt tgaccctcga catggatcac 400
acaatattaa aaaaaaagcc tggtaacctca ttgcaatgtt acttaaatta 450
gccttctgcc tcgcactctg tgctaaactg gaacagttaa ctaccatgaa 500
tctatcctat gtcttcattc ctttatgggc cttgctggct ggggcggccg 550

c 551

<210> 448

<211> 346

<212> DNA

<213> Homo Sapien

<400> 448

taattaaaaat gcacacacac acacacacac acagaaattt tgagagccat 50
tttaatatataa ttgcctccct agaaacatac cttttaggga atttttatca 100
ctaaaccaca tgttatttaa atacgtacat gtttaacata aatacataca 150
taaaattcac atgcatactt aacacttatg ttaaataatat tcaatgtata 200
tacatatgta cacaataatat gcatatatac atgtgggtat gtggatatgtg 250
tgcattgtgtg tgtatggcca gctacataat ttgtgggact aaggggcaaaa 300
tgaaactgta cggccctcgt tcaaaaatta ggtgtggggc ggccgc 346

<210> 449

<211> 550

<212> DNA

<213> Homo Sapien

<400> 449

ccagtttgtc aaactactac tcttcaatgc ttctacatag catttcttaa 50
gggcaaatat gtaggctatc caggagaccc cagtttattg gttgggaaaa 100
tacagaaatg aagagtgtga cccagggtggc tgtcttcttg aactgacaac 150
tcagcttgac aataatcatg ggaggaaaag caatctggaa taacatacaa 200
gaagtattat tgccttggat catgaatcta attgggcatg ttcacagagt 250
ttctggatca gaaaagataa cccacgatg ggaacaggac taccatctgc 300
agcctatggg caaactggga ttattttatg aatatcttga aatgattatt 350
cagtttgggt tcgtcacctt atttgtggcc tcttttccac tggccctct 400
gttggctctc gtgaacaata tattggaaat aagagtggac gcatggaaac 450
tgaccacca gtttagacgc ctggtaccag agaaagcca agacattgga 500
gcatggcagc ccatcatgca aggaatagca attctggctg tggcggccgc 550

<210> 450

<211> 499

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 57, 65, 68, 100, 146, 160, 177, 194, 237

<223> unknown base

<400> 450

ctgttaatga ttgcatttgg ccttgcctggg ggggcatttt cttgcggatc 50
aaaccnccgc aaagngtntt catttccacg tgtctgtctt gtcaagcacn 100

cccttggtgt ccaggttcct tcatggccag tgctcggggt acaaanaagg 150
 cgacattgan tacaagcccc gtgctcntcg gcatgctggt aacncaggac 200
 gtgcagctcg ggctcttcat ggccgtcatg ccgactntca tacaggcggg 250
 cgccagtga tcttctagca ttgtcgtgga agttctccga atcctgggtt 300
 tgattggtca gattcttttt tctactagcg cggtttttct tttatgtctt 350
 gttataaaga agtatctcat tggaccctat tatcggaagc tgcacatgga 400
 aagcaagggg aacaaagaaa tcttgatctt gggaatatct gcctttatct 450
 tcttaatgtt aacgggtcag gagctgctgg acgtctccat ggagctggg 499

<210> 451

<211> 474

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 61, 77, 92, 99, 118, 136, 148, 167, 171, 228, 233, 255, 283,
 347, 404, 468

<223> unknown base

<400> 451

atcccaggcc tttaggcccc ggaatnaaca attgcaatgc acgtttaagg 50
 aaaaggccat ntccgattca gaccctnacg gccttcccac antttgtcnt 100
 cacttgcaac agggcttngg gtgggcctcc cgtttntaaa gcaccccnct 150
 atgaatgcac agcaggncaa nacccaagtc ccaagactgc ctgggcctac 200
 tggccccct agcatttgtg cagaggntnc cntacaagc tcccatgttg 250
 ggaanaagca cagaccacc aggaccctg ttntcctcct cagatccct 300
 tcttgccacc ttttccact ccggggactc agcccaggac acctcgntga 350
 ttctgcccc ctttacacct gcaagcaggg atgccggcat cagaagaatg 400
 tttngtggtt gaaattgttt gaggggtttg gggtttatctt tgttggtttt 450
 ttcttttttt ttgcttangt gggc 474

<210> 452

<211> 421

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 108, 153

<223> unknown base

<400> 452

acggcgctcc ccgcccgaat tcaaagctcc gagtcacccg tgtggggcat 50
 tcgtcccccc tggcacagtt ggctctttc cagaagcccg ttttggttgt 100

tttacgtnta aattcgcgtc ggttcttatt tctctccctg gcaaggtctg 150
 aanacgggta ggagaataac ctgtgtcagc gtgttatgat gccgtcccgt 200
 accaacctgg ctactggaat cccagtagt aaagtgaaat attcaaggct 250
 ctccagcaca gacgatggct acattgacct tcagtttaag aaaaccctc 300
 ctaagatccc ttataaggcc atcgcaactg ccaactgtgct gtttttgatt 350
 ggcgcccttc tcattattat aggctccctc ctgctgtcag gctacatcag 400
 caaagggggg gcagaccggg c 421

<210> 453
 <211> 504
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 84, 117, 121
 <223> unknown base

<400> 453
 gtcactcttta cattctagtc ctctgcata tctcaaggt tccctcaca 50
 aaggttacac acttattcca tcagctaaat ctgncaactt gtctgactcc 100
 agccatagtg agatttnttc ncggctcagc atcgtgagca attgttctgt 150
 tgactccatg tctgcagctc tacaggatga acggtgttcc tctcaggccc 200
 tggcagtcac tgaatccact ggggcattgg aaaagacaga gcacgcttca 250
 gggataggag atcatagtca acatggccct ggggtggacac tcttgaagcc 300
 atctctaata aagtgtttag ctgtctcatc gtctgtgagc aatgaagaga 350
 tttctcaaga gcatatcatt atagaagcag ctgacagtgg tcgtggaagt 400
 tggacttcgt gttcaagcag ctcccatgac aacttcctaaa gccttcctaaa 450
 cccaaaaagc tgggattttt tgaactctta cagacatacc catttggatg 500
 accc 504

<210> 454
 <211> 474
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 46, 55, 81, 86, 218, 301
 <223> unknown base

<400> 454
 ttatgtcttt cttgcagtat ntgaaaggcc cgattaacaa aacaanagtc 50
 ccaanacccc ttttcttttt tgggtgtatc nctagntgca ggtgctgtgt 100
 tccttagtgt catctatttg acttatacag gttacattgc accatggagt 150

ggcagggtttt attcattgtg ggatactggg tatgcaaaaa tacacattcc 200
aattattgca tcagtgtntg agcatcaacc tacagacttg ggtgtctttc 250
ttctttgatc tacatattct tgtatgtacc ttcccagcag gcctttgggt 300
ntgcatcaaa aatatcaacg atgaaagagt atttgttgct ctatatgcaa 350
tcagtgtgtg ctactttgct ggagtgatgg tgcgactgat gttgactttg 400
actccagtcg tgtgtatgct gtctgcaatt gccttttcaa atgtttttga 450
gcactatttg gggggagcgg ccgc 474

<210> 455
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 57, 91-92, 98-99, 127, 133, 151, 178, 221, 236, 239, 267,
295, 301, 325, 349, 381, 396, 426, 441, 481, 498, 501, 516
<223> unknown base

<400> 455
gccagaaaac ccttaagaaa aaaagcgnag gaaattttcg ccaaagctga 50
aagatcncag cggcctgaga aaaaagtgtg ccccaaaaag nntgttttna 100
aaaggccaag gaggaagccc cctttntncc ctngggcact tgtatttttt 150
naaccctgct ttccccaaat cccactnat gaggatcagc ccatggtggt 200
atTTTTgcga tgatttcttg ngtcctggag tctttntcng gtcaacgggt 250
ttcttgttat atttgcncat tgtagctgat gtcaattcag gagcncggag 300
ngaagtacaa gcttatggat gggtnctcag cccacctttg cggctagtnc 350
ttgtcagcag cccgggccat tggagcatat nttttctgcc agtttncgga 400
gacagcctcg ttgtgctggg ggccncagt ggtggctctt ntggacatct 450
ggttcatctt agtggctggt ccagaatcct ntgcatgaga aaatgagncc 500
nggtttcctg gggagntgcg gccgc 525

<210> 456
<211> 506
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 94, 139, 162, 195, 257
<223> unknown base

<400> 456
tccttggttaa acatgaaggg ccccggttagc catgggtttg ccaccttcat 50
tccaagcacc ccgccccagc aaggcctcct ggtacctttg tcanccactt 100
gttgtagaag gtgatgccga tggagaagca gtagtagana agcaccagcc 150

tcaagatagt agagcacatc ttcttctcac 480

<210> 459

<211> 564

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 57, 73, 84, 93, 105, 147, 150, 156, 235

<223> unknown base

<400> 459

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ttttttngtt gtctgcctca acnecgcagg tggngcccaa acnttggtaa 100
agtcnagatc cgggggaggg tacttcatgg cttgggactc catattnttn 150
tgcatntacg tgggtgaaagc cctgctcaag atcatcgccc tgggcctctt 200
ggtaacttctt tgacttctgg aacaatttgg acttnttcat tatggccatg 250
gccgtgctgg acttcttgct gatgcagacc cactccttcg ccatctacca 300
ccaaagcctc ttccggatcc tcaaggtctt caagagcctg cgggccctga 350
gggcaatccg ggtcctgcgg aggcctcagct tcttgaccag cgtccaggaa 400
gtgacagggg ccctggggcca gtcccttgccg tccatcgagc ccatcctcat 450
cctcatgttt acctgcctct tccctcttctc cgcggctctc cgggcactgt 500
tccgcaaate tgacccaag cgcttcaga acatcttcac caccatcttc 550
accctcttca cctt 564

<210> 460

<211> 565

<212> DNA

<213> Homo Sapien

<400> 460

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tgctttaatt cttcttcagt tcattaaaag taactactaa ggaaagggtta 100
aaaacttccc ctcaaaaagg aatcaacccc aggaagtaat catttacaac 150
gattttccca aattttgaca atctgtcctg gaaagcaaac ccctttttaa 200
atctaattgtc tgggctttga gtattagctc atttaggggtg gacaaatgca 250
ttactgtttt caaactgctc acattttatc agtattttctc caagttgcta 300
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cacggcactg cccttagcct tgtgtcatct gctttttcgt tctgcgatat 400
gccagttcc caaatcaatt ataggtacct gtttaggaga gaggaagatt 450
ttacctctca aagggtgaga tttgaaattt aactaaaaa gacaacttta 500

cattttaatgc ttcacttaat gagacattct tttttttata agtctatttt 550

tctactcagt ttcag 565

<210> 461

<211> 563

<212> DNA

<213> Homo Sapien

<400> 461

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gatgtttttg acgtgcaca tgtgtgatg gcttccttga tatgctctcg 100

cagttccttg gtggcttttt cgcagagttc gttttgataa tgttatcttt 150

ggcattctaa cagtgatgtc aatacaaggc tatgcaaacc tccgtaatca 200

atggagcata ataggagaat ttaataattt gcctcaggaa gaacttttac 250

agtggatcaa atacaatacc acatcagatg ctgtcttcgc aggtgccatg 300

cctacaatgg caagcgtcaa gctgtctaca ctcatccca ttgtgaatca 350

tccactttac gaagatgcag acttgagggc tcggacaaaa atagtttatt 400

ctacatatag tcgaaaatct gccaaagaag taggagagaa attgttgag 450

ttacatgtga attattatgt tttagaagag gcatgggtgtg ttgtgagaac 500

taagcctggt tgcagtatgc ttgaaatctg tgatgtggaa gacccttcca 550

atgcagctaa ccc 563

<210> 462

<211> 487

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 17, 37, 70, 126, 128, 131, 150, 161, 172, 234, 299, 321, 368

<223> unknown base

<400> 462

gaagtgggccc caacatntga caaaactccc aatgaangat tccccgcttg 50

aaacaatggg ggcagggctn ccggcttcga ggggcaagtt tcaagcattc 100

aacaaagggt cccccggaaa atttcnangg ngtccaacac tcagtgccn 150

cagcccagcc ncagaaccca anacataagg catgtcatcc acaagctctc 200

ctttggggac aacgctacag gtccagaaca tcncggagc tttcaatgct 250

ctcgggggag cagacagact cacctccaac cccctggcct cccacgaent 300

acatcctgaa gattgtgccc ncggtttatg aggacaagag tggcaagcag 350

cggtaactcct accagtanac ggtggccaac aaggaatacg tcgectacag 400

ccacacgggc cgcacatcc ctgcaatctg gttccgctac gacctcagcc 450

ccatcacggg caagtacaca gagagacctg cggccgc 487

<210> 463
<211> 535
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 59, 66, 82, 227, 440
<223> unknown base

<400> 463
tatcaagggg cgggttttgg atttaatggg gggaaaaggg gggaaaaggc 50
caggatccna actgngaat ttggtgattt tngggtccct ttcgctttc 100
cggccgggaa gggctgccag ggtatatctt cttttttccg atcctgcaac 150
agcctcttta aactgtttta atgagaatgt ccttggtctc gagagtacta 200
ctcacctggc ttttcacact actcttnttg atcatgttgg tgttgaaact 250
ggatgagaaa gcaccttgga actgggtcct catatttatt ccagtctgga 300
tatttgatac tacccttctt gtccctgctga ttgtgaaaat ggctgggcgg 350
tgtaagtctg gctttgaccc tcgacatgga tcacacaata ttaaaaaaaaa 400
agcctggtac ctcatgcaa tgttacttaa attagccttn tgcctgcac 450
tctgtgctaa actggaacag ttactacca tgaatctatc ctatgtcttc 500
attcctttat gggccttget ggctggagcg gccgc 535

<210> 464
<211> 451
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 59
<223> unknown base

<400> 464
aaaaggccaa ttttaagcaa aatataacaa aacgagaagt ggaggatgac 50
ttgggtntna gcatgctgat tgactcccag aacaaccagt atattttgac 100
caagcccaga gattcaacca tcccacgtgc agatcaccac ttataaaagg 150
acattgttac cataggaatg ctgtccttgc cttgtggctg gctatgtaca 200
gccataggat tgcctacaat gtttggttat attatttgtg gtgtacttct 250
gggaccttca ggactaaata gtattaagtc tattgtgcaa gtggagacat 300
taggagaatt tggggtgttt ttactcttt ttcttgttgg cttagaattt 350
tctccagaaa agctaagaaa ggtgtggaag atttccttac aagggccgtg 400
ttacatgaca ctgttaatga ttgcatttgg cttgtgtgtg ggagcggccg 450
c 451

<210> 465
<211> 573
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 79
<223> unknown base

<400> 465
cactggccaa accattatat ggcatactct ggntacgtgg tctgcctgtt 50
attggaaaga tatattaaga atccagttnt ggattgcagc tggtattttt 100
ttgggaatgc ttgaaaaagc agttttttat agtgaatacc aaaacatcag 150
caacactgga ctgtcaaccc aaggcttatt gatatttgcg gagttgattt 200
ctgcgattaa gaggacgttg gctcgcttc tcgtgatcat tgtgagcctg 250
ggctatggca ttgtgaagcc tcgttttagga acagtcatgc accgggtgat 300
cggactgggg cttctatact taatctttgc agctgttgaa ggcgtgatga 350
gagtcattgg gggttctaac catttagctg ttgttcttga tgacattatt 400
ttagcagtta ttgactccat ttttgtgtgg ttcattttta ttagtttggc 450
acaaactatg aagaccctaa ggctaagaaa gaacactgtg aaattttcat 500
tatatagaca ttttaaaaat actctgatct ttgctgtgct ggcttctata 550
gtgttttatgg ggtgggcggc cgc 573

<210> 466
<211> 506
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19
<223> unknown base

<400> 466
tggatggtac cctggcccnt ccagagtccc agggcaatgg gtccattttc 50
agcccaatgt ggtgtacatt accctacgct ccaagcgcag caagccggcc 100
aatatccgtg gcaccgtaag cccaagcgca ggaaaaagca tgcagtggca 150
tcggctgccc cagggcagga ggctttggc ggaccatccc ttcagccgca 200
ggaagcggca agggaaagctg atgctgtagc acctgggtac gctcaggag 250
caaacctggt taagattgga gagcgacct ggaggttggt gcgggggccg 300
ggagtgcgag ccggggggccc agacttcctg cagcccagct ccaggagag 350
caacattagg atctacagcg agagcgcccc ctctggctg agcaaagatg 400
acatccgaag aatgcgactc ttggcggaca gcgcagtggc agggctccg 450

cctgtgtcct ctaggagcgg agcccgtttg ctggtgctgg aggggggtgc 500
ggccgc 506

<210> 467
<211> 410
<212> DNA
<213> Homo Sapien

<400> 467
aacctgtgac gttagtgtgt tcttactagc tttaatttgt atgtagcaat 50
gaattgtgaa tcttagtgca gtgggttttt ttaaaaaact caaaaagctg 100
ggaattaagg gtttcagtaa taatgctata ccgagggtgct tgcattgtat 150
ttcataattt tgttacaac caaaattatt tttaatgaga acagtcttgg 200
gttcagaggt gtgatgccag aatgtatttt cgtactgtta ggcccttgga 250
acagataccg gtgctttctg aaagatgaaa gaaatgcaat ggggtgctctt 300
catgcaaggt tgcaaaccta ccaagaatgc ataatagtct cacttttccc 350
caataaagag atgcgtgtga ctagttttgg acttttaacc ttaatgggga 400
tggcggccgc 410

<210> 468
<211> 395
<212> DNA
<213> Homo Sapien

<400> 468
atggtcctgg gcatccattg aactgctttc tgtccctgta gattagtttt 50
gcctgttcta gaattttatg tatgtaaggg aatgatgact atgtatgttt 100
gtgtttggct tatttttacc agcaagtttt tgaggttcat gttattgtgt 150
gtatcagaag ttagtttcta ttattgctc agtagtattt cattctgtga 200
atttaccatg gtctgtttaa tatattcatc tattgatgat gaacatttag 250
attacttttc gtttttgctt attaaaaata aagttagtat gaatatgcat 300
gtacaagttg tattgtggat atactttgtg ataataacta gaaccaggag 350
tggttcaaaa tttaatttac acatctactc cctgtgttat ttgcc 395

<210> 469
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 122, 235
<223> unknown base

<400> 469
tggttgaaaa tttttgaaa aaagaatatt ttctttttta taggtaactt 50

tggtcacacg cggggtcggg tttaatggag tgtccacgcg gagataactg 100
 cgatattgga acacctgtga gagagattgt tctatagggt ggaatattca 150
 gagttacatt cttggaagtt tctgttttta cttgcatcaa acacccctct 200
 gttgttctcc atcatcttta atagcaactg gagaccactt tggtcattgg 250
 taaggggggtg cattctcctc acaaaggggt tttatggact tctcaggcg 300
 gagagcttct gagaacacag gcaggatgga aaaagactac tagccacttt 350
 tgctttccca acccccttta atgccatcct tcattgtctt tctggcttct 400
 cttcttctgg cacagtacca ttttgggtct gtgccccagt gtggagcaaa 450
 acattgcctg tcccattctg atatacttca gaatttgaga gcagaagtta 500
 atgtggaaca aaagttttca ccatctctca agccccaagg actggagcc 549

<210> 472
 <211> 510
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 46, 95, 404
 <223> unknown base

<400> 472
 attaggctgt ttgggagcat tcccattgct cacaaaagct ttgtgngcat 50
 aaggacttca agcagcatgg gcccaagaaa atttattgct ttttnccttt 100
 tggggatggt tattccttat ctttatgcat tgtacctcat ctgggcagat 150
 ttgagatggt taccctatc ctggggagaa gtggttctga aatccacact 200
 gatgttgtgc tggcatccat tttggctggc tgacaatgat tctctcgccc 250
 tattttatta acttcatcta ccttgccaag agcacaaaaa aaaccatgct 300
 aactttaact ttggtatgtg caattacatt cctccttgtt tgcagtggaa 350
 cattttttcc atatagctcc aatcctgcta atccgaagcc aaagagagtg 400
 tttnttcagc atatgactag aacattccat gacttgaag gaaatgcagt 450
 taaacgggac tctggaatat ggatcaatgg gtttgattat actggaattt 500
 ctcacataac 510

<210> 473
 <211> 471
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 70
 <223> unknown base

<400> 473
gattgcaagg aggatTTTTat atgatagtca tagcttgtct ttaaaagttt 50
ggtatgtgat aatatcagan cagtaaaagg ctatttcaca ttttaaaact 100
aaatctttat taaataatta tttcacaagt tagtaattat tgatattctt 150
cttcagggac tagagttcct atgcttctta aactgacttt taaggaaaga 200
tgagactata ttcagtgcag ttttaatatg acatatttta ttatctctta 250
ttttttaaat tgatatttta tgaaggagtc tatggactat aatacgaaaa 300
ttctggttgg ggaggcagga aacctggctt tcaagtacac tccaatagct 350
tttatataaa attcaggtgt tctttttctc taatacttga aatagctatt 400
ttcattttca tgtcattttc tgtacttttc ctgatacttt taaacattgt 450
tttattttca aatgaacagc c 471

<210> 474
<211> 379
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 77, 96, 101, 109, 117, 124, 185
<223> unknown base

<400> 474
ttcccgcaat tttcagaaaa atgggantaa aagaaactat tttgtaaaat 50
aaaaaagctt ccatttttta tgaccancat gtattaagat ggaacntact 100
ntacgaaanc gaagttnat ggtntcgaaa agcccgtagc tgtttaaaac 150
ttgatcctaa ctaaaaacag acttgagtgg atatnagaat gttggtagt 200
ggcagaagag tcaaaaaatg gcagttaatt attcagttat ttgctacttg 250
tttttttagcg agcctcatgt ttttttggga accaatcgat aatcacattg 300
tgagccatat gaagtcatat tcttacagat acctcataaa tagctatgac 350
tttgtgaatg ataccctgtc tcttaagca 379

<210> 475
<211> 446
<212> DNA
<213> Homo Sapien

<400> 475
tttagaaatg gtatggcaga atccagaaaa tgctttattg aagacagtca 50
ttgatcacca gtacacttga tctccagtag agacatatgg tggaacagaa 100
gcctggatac aggactcaga ctcttactgg ttggtatcat acgtgatcgt 150
ttgattcagt tcatctctaa attgcagttt gccgtgactg tgcttttgac 200
atcatggaca gagaaaaaac aacgtcgaaa aacaactgcc actttatgta 250

tactcaacat tgtcttttct ccattcgtgt tggatcatcat agttttttct 300
 aactactct cttctccctt actccctctt ttcacccttc ctgtgttctt 350
 ggtgggggtt ccccgacctt ttcagagtgt gccaggagca gcaggcacca 400
 cagcctgtgt gtgtgcagat acagtgtact actaccaaact ggtgcc 446

<210> 476
 <211> 451
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 37, 43, 81, 83, 126, 206, 244, 256
 <223> unknown base

<400> 476
 ggtgtctctt tttcaattca ggaacatcaa catttantaa acngtgggggt 50
 gggatcctta caaatcatcc tgcttttttg nanatcactg gctactaagg 100
 caggtgcagc atcaatgatt cactanatgg ttttgatata agctcgtctg 150
 gtactactca cttttgtgtg gatgggtact ttgttgacc ctogtcaatc 200
 tctttngaag ccattcagtc ctcaatctcc ttttccttgg gtanccggtt 250
 ggtgtnttat gttcctcttt gctgttttca tcaagatagt agagcacatc 300
 ttcttctcac agactacaaa tatgtggttc agcacgaggc agtagaggaa 350
 agtgcctcga ctgtgggagg cttggccaaa tccaaagact ttctctcctt 400
 gttgtggag tcgctaaaag aacagtttaa taatgccaca cccatcccca 450
 c 451

<210> 477
 <211> 527
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 7
 <223> unknown base

<400> 477
 ggccacnctg gccaaataag ggcaaaaagc tttatttttt tgaacaggaa 50
 aacatgtttt ttaaattcac atgttttgta tgagactttt gcgaagcaag 100
 gcatgaactg ctaggtatta ttaagaatga atgatttttg catttaagtt 150
 gtttgaaggc atgtattttg aaaaatatct gttacaaatt tataatttca 200
 agacaaattg aatcttattt tataataactt ttggaatttc attaataagg 250
 ctaaaatttg aggaatataa ctaattttca gccttaagac atttaagttt 300
 ggaagtcctt gctattcaac agaataacaa gaaaacttca gaatgtatca 350

ctctcctgaa aagaagatat taataagccc ttttatttat gggttatagtt 400
 ttattttatag tctcaaaatt cctaaagcaa tgctacaacc attgaatttg 450
 ccatattttg tatcagtgcgt gtttaatttgc tgttgccctca agaaaaagtg 500
 cttttttctcc atggatgagg cggccgc 527

<210> 478
 <211> 332
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 75
 <223> unknown base

<400> 478
 cacacacaca cacacacaga aattttgaga gccattttta tataattgcc 50
 tccctagaaa catacctttt aggnatttt tactactaaa ccacatgtta 100
 tttaaatacg gtacatgttt aacataaata catacataaa attcacatgc 150
 atacttaaca cttatgttaa atatattcaa tgtatataca tatgtacaca 200
 atatatgcat atatacatgt gggatatgtg tatgtgtgca tgtgtgtgta 250
 tggccagcta cataatttgc gggactaagg gcaaaatgaa actgtacggc 300
 cctcgttcaa aaattaggtg tggagcggcc gc 332

<210> 479
 <211> 569
 <212> DNA
 <213> Homo Sapien

<400> 479
 accaatcaga tgtatttagg gatttgggat attctaccag gtgttgtgaa 50
 atgtcaaag gaacaagcgt ttcattctga ttttggaaact gaattggaac 100
 caagaaaaga aatagtgcga tttgataagc caactagagg aactactgta 150
 caaaaattta aagaaatggc ctatagtctc ttttaaggcaa aattgggtga 200
 ccaaggaaac ctctctgaac tggtaaatct catcttgacg gtggctgatg 250
 gagacaaaga tggccagggt tccttgggag aagcaaagtc ggcattggga 300
 cttcttcaac tgaatgaatt tcttctcatg gtgatacttc aagataaaga 350
 acataccccc aaattaatgg gattctgtgg tgacctctat gtgatggaaa 400
 gtgttgaaata tacctctctt tatggaataa gccttccttg ggtcattgaa 450
 cttttttattc catctgggtt cagaagaagc atggatcagc tgttcacacc 500
 atcatggcca agaaaggcca aaatagccat aggacttcta gaatttgtgg 550
 aagatgtttt ccatggccc 569

<210> 480

<211> 540
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41
<223> unknown base

<400> 480
cccgccatga ctccgagact gaggacatgt atgggacgac ntgctacatg 50
gcccagagtg ccggtcatct gtcaccagtg acagtgaggg ggcctatgtg 100
aatacccttc actcagggcc aaacgtgccc caaagaggat gtttttcagc 150
agaatcattt attctggctt cagaattcaa gtccttcctc tgatcgagtt 200
aggcaataat ctgggagggg aatgagtgcg aaaagatgga tatgtctgtg 250
ttggaaataa gtggcatcat catgagcagg gtcaatacct atcagcaagg 300
agtaggttat cagatgctgg gaaatgttgt cactattgga ttagcatttt 350
ttccattctt acatcgactt ttccgtgaga agagccttga ccaactaaag 400
tccatttcag ctgaggagat cttgactctc ttttgtgggg caccacctgt 450
tacacctatt attgttttgt cgataattaa tttttttgaa agattgtgtc 500
ttacttggat gttttttttc atgatgtgtg tggcggccgc 540

<210> 481
<211> 77
<212> DNA
<213> Homo Sapien

<400> 481
ggccacactg gccaaagagc atatttgatc actttgattc tctgttcttt 50
tctctccgcg gtgtgtgtgg cggccgc 77

<210> 482
<211> 560
<212> DNA
<213> Homo Sapien

<400> 482
aaagaccag tcatggcaag cctccaagca tcagttcacc atggggaaag 50
catgtgttca aagccattct gatggctcta agtggccctt atcctctctc 100
actcagcatt ggcccagtcc cgtcgagact ttgcaccacc aggccaacag 150
aagagagaag cccagttga tgtcttgacc cagataggtc gatctgtgcg 200
agggacactg gatgcctgga ttgggccaga gaccatgcac ctggtgtcag 250
agtcttcgtc ccaagtgttg tgggccatct catcagccat ttctgtggcc 300
ttctttgtct tgtctgggat cgcgcacag ctgctgaatg ccttgggact 350
agctggtgat tacctcgccc agggcctgaa gctcagccct ggccaggtcc 400

agaccttcct gctgtgggga gcagggggccc tggtcgtcta ctggctgctg 450
 tctctgctcc tcggcttggg cttggccttg ctggggcgga tctgtgggg 500
 cctgaagctt gtcactctcc tggccggctt cgtggccctg atgaggtcgg 550
 tagcgccgc 560

<210> 483
 <211> 581
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 134, 187, 224
 <223> unknown base

<400> 483
 caaaacgatt ttattgcca accctgtgca ctccgattgg catcgaggac 50
 agtggtcctt atcaggccca acccaatgcc atccttgaaa aggtgttcat 100
 atctattacc aagtatcctg ataagaaaag gtgnagggcc tgtcaaagca 150
 gctggattgg aatgtccgaa aaatccaatg ctggttngcc atcggaggaa 200
 tcaggacaag cccccaacgc ttantaaatt ctgtgaaagc atgtggagat 250
 tcacatttta tttatgtata ttctgctatg gaattagatt tctctggctg 300
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 gcctctttca agtgggcttt atcactatta tatcatggaa ttggccttct 400
 attggccctt tatgttttct cagtttacag acattaaaag aaaggacttc 450
 ctgatcatgt ttgtgcatca cttggtcacc attgggctta tctccttctc 500
 ctacatcaac aatatggttc gagtgggaac tctgatcatg tgtctacatg 550
 atgtctcaga cttcttgctg ggggcggccg c 581

<210> 484
 <211> 358
 <212> DNA
 <213> Homo Sapien

<400> 484
 tctaggtcca ttgtcacctt ttctggcacg acagcctccg cccaccgca 50
 ttccccaggc caagctgggtg gccatgcttc agacacgaga cccaccaagg 100
 gcctccgcca gaccacgggtg cctgcccaagg gccaccctga gcgccggctg 150
 ctgtcagtgg gggatgggac ccgtgttggg atgggagccc gaacccccag 200
 gcctggggcg ggctcagggt accagcaa atggcccatcc gctgctctc 250
 agggcccaga agccttcaca ctcaaggaga aggggcacct gctgcggctg 300
 cctgcggcat tcaggaaagc agcttcccag aactcgagcc tgtgggctta 350
 gcggccgc 358

<210> 485
<211> 583
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 61, 95, 100, 110, 190, 205, 228
<223> unknown base

<400> 485
ctggccaaac atatggggga tgaaaataaa anaattacat atgaagattc 50
aaaaccatcc ncaggaatga attacacgcc ctcccaggca tcaanaagcn 100
caggaggagn cagttatgaa gtcaaaggta tagatgcaaa atgaaccaac 150
aaaaggaagt ttttttttga aaagcagtaa aaaaaagctn caagaaacac 200
ccaantgaag caaatcacgt acaaagantg agacaaatgc tggcttgccc 250
tccacatggt ttactggaca gggtcataac aaatgttacc atcattgttc 300
ttctgtgggc tgtagtttgg tcaattactg gcagtgaatg tcttcctgga 350
ggaaacctat ttggaattat aatcctattc tattgtgcca tcattggtgg 400
taaacttttg gggcttatta agttacctac attgcctcca ctgccttctc 450
ttcttggeat gctgcttgca gggtttctca tcagaaatat ccagtcctc 500
aacgataatg tgcagatcaa gcacaagtgg tcttcctctt tgagaagcat 550
agccctgtct atcattctgg ctctgctggc cgc 583

<210> 486
<211> 454
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 58, 152, 315
<223> unknown base

<400> 486
tgcctcgtgg ggtatgtaca atgtttacgc atgtgagtgt gtgtaaagt 50
tgtgtatnaa gtgtgtgtgt acatctgtgc agctgggtcac cagcatgtac 100
cttcacaagt tagattttgc tggcatatcc acgagctgtc accactgtgc 150
cntgggcatt gagctttttg aggcttgtgt gttggcctgt ccaggggctc 200
tgccatcgtc agtattggcc cactcacag atgttctttc ctgggttggg 250
ccagctcctt ttggacactt ttgagatcca cctcggggccc gtctgcgttt 300
gcatgctgc tttntgtgg ctcttccgg ctactgggac tgttcccttc 350
tggcattgcc ttcggcagca cttcgaggaa ctgagcctcc agggcctcct 400
gttgccttg aaaatgcagt tttatttcat tatttttatt tatttatttt 450

tggg 454

<210> 487
<211> 196
<212> DNA
<213> Homo Sapien

<400> 487
ctcaaaatta aagtatcaaa caggggtcct cagaactgtc tcacttcctc 50
ctgctcccat caatattaaa gcctaaaact caagaatcat tcttagcagt 100
ttttttctct tttttctttc ttttcttttt tttctttttt gagacggagt 150
ctcactctgt cgcccaggct ggagtgcagt ggcgacagag tgagac 196

<210> 488
<211> 226
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 124
<223> unknown base

<400> 488
gtgtgtgagt gtgtgtgtgt ttaatgtacc taattctgta aaggatttta 50
agtgattttt tcaaagtgga cccaataaaa taaaaacaat atgcgtgcat 100
gtgttttata aaagtaataa aacnagttat tctgcttttt ctagtcttag 150
ttacttactt acatatttat ttgggggggtg tgatgttctt tttaaaagga 200
actcctgtga cacctgttac tccggc 226

<210> 489
<211> 398
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 61, 143, 260, 293
<223> unknown base

<400> 489
gcagctgcct attgcacttg tgaaaaaggt ttgtatgttc aacactgctg 50
ggntggctca nagttgggag tgaatcctcc aagggataag cttggagaac 100
tttttgaaca gtcaatctgt aaagggtgtt gcaatcccaa ggncaatgga 150
ctagattatg aaggctctcg ggtggacca ctgttctct ctgtttatta 200
agctttttga aggagagaga tgagggcagg acatgtgaca acggtgcttt 250
tccttatgcn tatatcgctc tccaacagca tcctttccaa atntatagcg 300
cttcaaagat tccaggacag atcggaaga gccagtgtcc atagaaacct 350
gggggtgttc agaagaacgg tgttctctgt gtttgtgacg gtgcctgt 398

<210> 490
<211> 568
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 52, 63, 87
<223> unknown base

<400> 490
ggttttgtcc ttcggtatga caactacaaa aaagcaagcc agtggggatt 50
cntgtggggc ccntggacct gccaaacatc tccgggngca tgcaaaaagg 100
tctcctactt tcaactgcacc ctcatcggat actttgtagg cctgctcact 150
gctactgtgg cgtctcgcac tcaccggggc gccagcccg cccttctcta 200
tttggtgcca ttactttat tgccactcct cacgatggcc tatttaaagg 250
gcgacctccg gcggatgtgg totgagcctt tccactcaa gtccagcagc 300
tcccgattcc tggaagtatg atggatcacg tggaaagtga ccagatggcc 350
gtcatagtcc ttttctctca actcatggtt tgtttcctct tagagctggc 400
ctgggtactca gaaatgtacc tgtgtttaag gaactgccgt gtgactggat 450
ttggcattga aaggagctc gtttgcagga gagagggtgt ggagccctgt 500
ttggttcctt ctcttcctgc ggatgtagag gtggggcccc ttccaagagg 550
gacaggcctc tccccage 568

<210> 491
<211> 552
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 36, 42, 74, 92, 168, 177, 232
<223> unknown base

<400> 491
aagactccca aggaagttgt tgaactatat ttgganaaac angccactga 50
atattatcat ttttcctttt aaanagagtt ttgtaagggg gnaaacatgc 100
atTTTTatcc agacaattta tccaaagcat ttcagaacat gaagtgtctga 150
tgagggcacc tcttgtgntg agtcccntaa gctatcaagt gttcttctca 200
aggacacatt tggaaggttt taacattgaa antgagcgga ggacttgggg 250
gcagagcagc acaaagaaac agccttacac tgggcacatg gaggagacgt 300
ccaccctgca gccaggattg gggttcacgt cactgccaga gctacactcg 350
ccttctgctt ccacggtcct gttaattcta gatcagagag caagaaaaaa 400
gtacagaaca tctcctctac ggttatttcc tgctttctaa ttaaaaaaat 450

aataaccatg gcaagagaga aagaaagaga aagtactcag aggctgacac 500
tgacatttca cttcctcgtc ctcctaagtt taattacaac agcacgtgca 550
gc 552

<210> 492
<211> 579
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 36, 147
<223> unknown base

<400> 492
tgcagcattg gcagcaacaa aaatttctag tttggntgat gattttggag 50
aattcagcct ttttggggaa tattttggtc tagcacctgt tggggagcag 100
gatgactttg cagattttat ggctttcagt aatagcttta tttcatntga 150
gcaaaagccg gatgacaaat atgatgccct taaagaggaa gccagtcctg 200
ttcctctaac cagcaacgtg ggcagcacag tgaagggtgg acaaaactcg 250
actgctgcgt ctaccaagta cgatgtcttc agacaacttt ctctggaagg 300
gtctggacta ggtgttgaag acctgaaaga taacactcct tcaggaaaaa 350
gtgatgatga ttttgctgac ttccactcca gttaaattttc ttccataaac 400
tcggacaaat ccttgggaga gaaagcagtg gctttcagac acaccaaaaga 450
agactctgca tcagtgaagt ccttagatct cccttccatt ggtggcagca 500
gtgttggcaa ggaggactct gaagatgcac tctctgttca gtttgacatg 550
aaattggctg atgtgggagg agcggccgc 579

<210> 493
<211> 574
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 89, 166, 192, 339
<223> unknown base

<400> 493
gccctatcca ggttaccctt ccnaaggga accagggtttc tttaaaaaat 50
taagcagccc ggggccggtg ggctcacgct tgtaatccna gcctttgaag 100
cccgaggcgg cggatcacct agaagatgac tcaagaccgg cctctgcttg 150
ccgtgcagga ggcgtnaaga agtgcttccc cgtgggtggag ancagcaggg 200
cctgtgcaga gtgccctgcg ggactgccag cccctcctgt cctccctcag 250
caacctggcg gaacagctgc aggccgcaca gaacctggcg tttgaggatg 300

tgcgggagct tcgggccttc ccagatttaa aagagcggnt gaggcgtaag 350
 cagctgggtgg ctggtgacat cgtcctggac aagctagggg aaaggctagc 400
 catcctcttc aaggtgagag acatggtcag cagccatgtg gagcgagtgt 450
 ttcagatcta tgagcaacac gcagacacag ttggcattga tgctgtcctg 500
 cagccttcag cagtgcgccc ctctgtggct gacatgttgg aatgggttgc 550
 ggatattgag agacgggcgg ccgc 574

<210> 494
 <211> 545
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 35, 40, 114, 133, 284, 359
 <223> unknown base

<400> 494
 cagcatgaga catccccca tgccctggggc catnagatn tttttggagc 50
 accagtcact ccaggtttt tatttttaggg gtcacgatt ttacctactt 100
 tgtcagactg gtanaagttg ctttgcata canaaaaact ccattttttt 150
 ccacaaaagg gattacagaa aactcttttg tgagtgcgtg attggaactt 200
 agagactcct gttgccagaa tcagactgcc ctagaacaga atggacaatg 250
 cagggaggag aattcacaca aacagcacct gttntgaggc ctgtgccagc 300
 ccaccaggcc tgctcaaatg tggctctttac ttcaagtgc cagaggcaca 350
 tgagggtttnt ggtgataaac cagcgtctta ccgctgtttt aaagtcccat 400
 ccccatggct ttcacaatca gttccgtttt ttttgcgtga cttgataaaa 450
 tgttttattct catacaggtc aagtacattt acttctattc acagtgcgtg 500
 cccaataaca acaaaaagcgc ttacaaattt gggggggggc gccgc 545

<210> 495
 <211> 239
 <212> DNA
 <213> Homo Sapien

<400> 495
 ttttttaaaa aaaaaaaaaa tctcagtata gttctgatta aaatttcctt 50
 tctgagtcct aaatgcttta aatcttcttt tcccattctt tttacttctc 100
 ctatccatag ttacaagtgc ttacgcagta catatctctt ggctgataag 150
 tttaactgct taagcacctg tttatgtttc atttttaaca tagccagtta 200
 ctattatgct tggatatata caatgagggg agcggccgc 239

<210> 496
 <211> 402

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 34, 85, 89, 105, 108, 115
<223> unknown base

<400> 496
tgtggaaaaa acagttattg cancggttgc ttanaaaaac ataaaaatgc 50
atccatggggg cttatatttatt caggagaaaat ctcanagcnc ctgggagtg 100
tttanagnca ggggntgctt gcacccctctg tggatgtgtg tgtgtgtgtt 150
tgtgcctagg tgtgtgcgca cagggtttgtg tgcctgtgtg tgcattgtgtg 200
tggggtgtgt gtgcatgtgt gtatgcacgt acccgtgtgt gtgtgcacag 250
gtgtgtgtgt gtgtgtgttt gtgtgcctgt gtgtgggggtg tgtgtgcatg 300
tatgcacgta ccagtgtgtg tgtgcgcagg tgtttgcgtg cacaaatatg 350
catctgtgtg tatgtgtgtg tgttcacacg tgtgtgtgta tgtggcgggc 400
gc 402

<210> 497
<211> 553
<212> DNA
<213> Homo Sapien

<400> 497
cattataatt aactatagtt actatgctgt atatttgatc acccagaccc 50
atcttataac tgaaagtttg taccctttga tccaaatccc cacatttttc 100
ccagccactg acaaccacca ctttactctg tttctatgag ttcaactgct 150
ttagactcca catgtaagt agatcataca gtatttttct ttctgactg 200
gcttatttca cttaacataa catcctctag gttcatctat gtttcagcga 250
atggcagaat tttcttcttt ttaaaggctg aatagtgttc cctcaggtat 300
atataccaga tacacatata taagggaata tgtgtgtgtc tcgggtacat 350
gtacataagg gaatactatt ttttactcat tcatgtatgt gtaccagata 400
catatacata agggaaatata tgtatatgtg tctggtacat atacatgaag 450
gaatgctatt ttttactcat tcatctctca gtggacactt aggttggttt 500
catatcttgg ctattatgaa tagtgctgca ataaatatgg gaggggcggc 550
cgc 553

<210> 498
<211> 576
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 47, 71, 78, 92, 112
<223> unknown base

<400> 498
ttattgggag atatccatgt ttttcataaa atcaacaaga gaatccntga 50
ttgttcagaa gaaaacaatt ntgaccgnag aatgctgtta cntgaacccc 100
ttatttcgaa gnatcataag attcacaggg gtgtttgcat ttggactttt 150
tgctactgac atttttgtaa acgccggaca agtggtcact gggcacttaa 200
cgccatactt cctgactgtg tgcaagccaa actacaccag tgcagactgc 250
caagcgcacc accagtttat aaacaatggg aacatttgta ctggggacct 300
ggaagtgata gaaaaggctc ggagatcctt tccctccaaa cacgctgctc 350
tgagcattta ctccgcctta tatgccacga tgtatattac aagcacaatc 400
aagacgaaga gcagtgcact ggccaagccg gtgctgtgcc tcggaactct 450
ctgcacagcc ttcttgacag gcctcaaccg ggtctctgag tatcggaacc 500
actgctcggg cgtgattgct ggtttcatcc tgggcactgc agtggccctg 550
tttctgggaa tgtgtgtggc ggccgc 576

<210> 499
<211> 330
<212> DNA
<213> Homo Sapien

<400> 499
aaaaaaaaaa aaaaaaagct aaaaaacctt gactaaatct accatgtttt 50
ctcatattat taaaaattct aaacgtgggt ttttttgttt tgttttgttt 100
ttctgtttct cctctgcag agttgttagc ggttctcgag atgccactct 150
taggggtttg gatattgaga caggccagtg tttacatggt ttgatgggtc 200
atgttgacgc agtccgctgt gttcaatatg atggcaggag gggtgttagt 250
ggagcatatg attttatggt aaagggtgtg gatccagaga ctgaaacctg 300
tctacacacg ttgcaggggc aggcggccgc 330

<210> 500
<211> 440
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 79, 82, 101
<223> unknown base

<400> 500
atcaatggcc acccagcaag accaagttac aaggatcgta tnttgggtccg 50
aagggatgaa agtggcccaa ggggtctcnt tntcggtgaa cgttcagctg 100
ntgcaggacc acgggggaaat tgccaagagt aagcatctcc aggggggagat 150

gacctaacgt ttccaaaaga gaaacaggca gcaggttctt aagcagtga 200
 gatgcccagc agatgttgca tgtggctcct gaggcacagc agtgacttcg 250
 tgcccagagc ctggcagaga ggtcgcaggt gtgccagctt ccctgccagt 300
 cagggcagcc ttgggtgtgt gtgcaagcat gtgtgcacat attgtgtgat 350
 gtgcgtgctc ctgtatgtgt gtgcatatgt gtgtatgcct tgcacagggtg 400
 tgcacagggtc tgaatgtgta tacgtggggg gggcggccgc 440

<210> 501
 <211> 563
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 31, 48
 <223> unknown base

<400> 501
 gaatatcctg caggtatctc tccggccac ntccttgcct actgagcnc 50
 agccctgatt tgtcatcgtc ggtttcgtga ccctcatcat atttaagcgg 100
 gagctgcaca cggcccccac acagcagtg gcaccaagta cgggatgccc 150
 tocagccatt cccagtttat gtgggttctc tccgtctatt ccttcctttt 200
 cctgtattta agaatgcacc aaacaaacaa cgccagggtc ctggacttgc 250
 tgtggaggca cgtgctctcc ctgggactcc tcgtgtggc cttcctagtc 300
 tcttacagca gggctacct gctgtaccac acctggagcc aggtgctcta 350
 tggaggcatc gctggaggcc tcatggccat cgctgggtc atcttcaccc 400
 aggaggtcct caccocgctg ttcccagga tagcagcctg gcctgtctcc 450
 gagttcttcc taatccgaga cacaagcctc attcccaacg tactctgggt 500
 tgagtacag gtaaccggg cagaagccag gaacagacaa cgcaagctgg 550
 ggccagcggc cgc 563

<210> 502
 <211> 583
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 81, 126
 <223> unknown base

<400> 502
 ccctgccc aa agttaagttc aagttttctt ttcagataat gcctgaaatt 50
 gccagaata gtcagaggat ttaaaaattt ntttgaccac aaatgcacta 100
 aagttttaag taaagcagtt tcttcnttca ttagcatgtg ttttacacta 150

acattttaata agaagccatt tttagtcttg atcttggcag tgttttcttt 200
aagacttctg atgttatcaa gtatttcatt aaatattaaa ttattattaa 250
ttactgttag tttaaatata attaggggtt tcaatttggc ttcttaaaat 300
ggactgaact gtggcatcac gtattttgtc tcattcatgt atgaataaag 350
cataaatcag tttgttaatg gatgctcata ccactgttta ttttttcaaa 400
tattttaaca cactttccaa atggtgggat ttgctttata aatacagttt 450
tctacttaca catgaggaaa ataataattat ttgcattatg gatgtacact 500
ttgaaaaact tttcaatgca attatctgtg tatttcacaa tctctggtag 550
ttttctcaga ttttaattttg gtggggcggc cgc 583

<210> 503
<211> 459
<212> DNA
<213> Homo Sapien

<400> 503
aagcctgtgt aaatggatca accaatccca gtacatttgc ttcaagattc 50
aaacacattc aggtgggggc ttgggacggg atcagcattc atcatgggga 100
agaaaaccac aggccatcag tggatcatac acagtgtcga tcaagaaaga 150
taacgttact tttaaattgt gggctcaaac tggacagcaa ggtgcacagt 200
ggaagagagc agaagtgttt ttaggcattc gttcacatac acagattgtc 250
ttcagagcca aacgtggtat cagttacata ggagatgtag cagtggatga 300
tatttccttc caagattgct cccctttgct tagcccagag agaaagtgt 350
ctgctcatga attcatgtgt gctaataagc actgcgttgc caaagacaag 400
ctgtgtgatt ttgtgaatga ttgtgctgat aattcagatg agactacttt 450
catttgccg 459

<210> 504
<211> 218
<212> DNA
<213> Homo Sapien

<400> 504
aaaaaaaaaa aaaaaaaaaa acctgccaat tttcaaacat accgtagaga 50
ttattttcag gtgccatttt atagtatagc agcagggtt ttactctgtg 100
tatgcacaga tgcagtctgg ggcattggtt gtgtgctgga ctttctcatg 150
gccatcatca gtatgcttat ggatttgatg acaggcatag cctgggcata 200
tcacctcatt ggtaaagg 218

<210> 505
<211> 562
<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 60, 88

<223> unknown base

<400> 505

tttaagtgca aaaaattatt ttatTTTTTTT cccagtaatt ttaaattgga 50
attccagccn tggcttattt ttgggagacc cagccatnta ccaaagctga 100
aggcacaaat gcttattctc gtcactgtcc tttttatgtc agcattcaga 150
gttactggct gtcatttttc atgggatgat tttatttgta gctttcataa 200
cctgttgga gaagttacta ctttggacag gctatcagga taacttccta 250
tatgaatgaa actctcttat attttccttt ttcacccac tccagttata 300
ctgtgagatc taaaaaaata ttcttatcca agctcattgt ctgttttctc 350
agtacctggg taccatttgt actacttcag gtaatcattg ttttacttaa 400
agttcagatt ccagcatata ttgagatgaa tattccctgg ttatactttg 450
tcaatagttt tctcattgct acagtgtatt ggtttaattg tcacaagctt 500
aatttaaaag acattggatt acctttggat ccatttgtca actggaagtg 550
ctgcttcatt cc 562

<210> 506

<211> 485

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 77, 124, 166, 225, 259

<223> unknown base

<400> 506

tttttttttg acacgagaca taaaaacttt taatgaagga ggacacagnt 50
cagagccttc cacaatgggg ccaaccntgc cccacggaga ccggccatgg 100
caaccgctca atcagaaggt gttnttgatg cggccggcca ccagcctaag 150
gatgtcccg atcttnttct gccagttggc gatgtccttg gacacggcgc 200
accacagctc cccatgccga ggcntgcac tctcacagcg cttcctcacc 250
tcctcctgnt gctcctcagt gccatgctgc agtcaaact tgtagaagaa 300
ggcccaggca tccccaggt ccgagtcaat cttcacagtg cgggtggaacc 350
actccctggc cttggtgatc ttccgtgac tccaaaacag cttggccacg 400
gccaggagca catgggggtc atgtcacac ttcttcaggg catccacgct 450
cttggtcctc ctctggggcc ttgcctcgag gaaga 485

<210> 507

<211> 503
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 47, 63
<223> unknown base

<400> 507
accctgtttt ttaagcacac ctcaagcggg gcctcgctta ccaatanttg 50
attaaccaca agnaaaagtg tcaagctcaa gacgtcctcc ttttactggt 100
tgtaaaactg tcctgaaaac tatgatcgac gttccggaat tagaaggacg 150
tggggcaatg aaaattatgt tcggtctcag ctgaatgcca acatcaaaac 200
tctgtttgccc ttaggaactc ctaatccact ggaggagaa gaactacaaa 250
gaaaactggc ttgggaagat caaaggtaca atgatataat tcagcaagac 300
tttgttgatt ctttctacaa tottactctg aaattactta tgcagttcag 350
ttgggcaaat acctattgtc cacatgccaa atttcttatg actgctgatg 400
atgacatatt tattcacatg ccaaactctga ttgagtacct tcaaagttta 450
gaacaaattg gtgttcaaga cttttggatt ggtcgtgttc atcgtggtgc 500
ccc 503

<210> 508
<211> 564
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 73, 80, 145, 342
<223> unknown base

<400> 508
tcgacccacg ggggtccgta aagttgatgg tctgccttgt acatctcaac 50
cattcttgaa ccacttaatc ctntttttgn caacactagt agaacagaat 100
cctgaagata tggagaccta tacctagatg ttgctgaagc ttttntggat 150
gttggtgaat ataattctgc acttccctc ctcaagtgtc tttgtttgct 200
ctgaaagata caaccttgca gtagtttggc ttcgtcatgc agaattgtta 250
aaggccttag gctatatgga gcgagctgct gaaagctatg gcaagggtgg 300
tgatctggcc ccactccatt tggatgcaag gatttcactt tntacccttc 350
agcagcagct gggccagcct gagaaagctc tggaaagctc ggaaccaatg 400
tatgatccag atacttttagc acaggatgca aatgctgcac agcaggaact 450
gaagttattg cttcatcggt ctactctggt gttttcacaa ggcaaaatgt 500
atggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 550

gcaatgaatc gage 564

<210> 509

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 54, 110, 162, 221, 263, 275, 292

<223> unknown base

<400> 509

acagtatggt cattcatgct ccaaagaaaa ggagattgag ctttaaana 50
aatntctcac aagttagggtg atccagggtt tgtggtcttt gcaacccttg 100
tggtcattgn gcccttgata ttaatcttcg ggggggtcct cgccatggac 150
agacaaacat tnttgtaga taacaatctg ctctgtaac ggggcgtttt 200
cagtctcttg tgtgaagggt ntgggcattg ctatcaagga gctgtttgca 250
ggaaagcctg tgntgaggca tccntgggt ggattctgt gntgagcctc 300
atcgtctgtg tgagcacaca gattaattac ctaaataggg ccctggatat 350
attcaacact tccattgtga ctccaatata ttatgtattc tttacaacat 400
cagttttaac ttgttcagct attcttttta aggagtggca agatatgcct 450
gttgacgatg tcattggtac tttgagtggc ttctttacaa tcattgtggg 500
gatattcttg ttgcatgcct ttaaa 525

<210> 510

<211> 565

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 46, 79, 104

<223> unknown base

<400> 510

ttgcttggtta agctaacagg ggtgcaagct tccatttttg atctantttt 50
aaatacactc agacaggaga aatttgant aattttcaa ctacagacac 100
tttntaatca tgatgcattt caaaagtggc ctgaattaa cttgagttgc 150
aaaacatgac agtgcccgag gatgataaca ttagcaatga ctccaatgat 200
ttcacogaag tagaaaatgg tcagataaat agcaagttta tttctgatcg 250
tgaaagtaga agaagtctca caaacagcca tttggaaaaa aagaagtgtg 300
atgagtatat tccaggcca acctccttag gcatgtctgt ttttaaccta 350
agcaacgcca ttatgggcag tgggattttg ggactcgcct ttgcctggc 400
aaacactgga atcctacttt ttctggtact tttgacttca gtgacattgc 450

tgtctatata ttcaataaac ctctattga tctgttcaaa agaaacaggc 500
 tgcattggtgt atgaaaagct gggggaacaa gtctttggca ccacagggaa 550
 gttcgtaatc tttgg 565

<210> 511
 <211> 558
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 83, 114
 <223> unknown base

<400> 511
 agtgggcttg aacttcgtga gtttcgcttt aaactgccct tgaaatgaag 50
 tggacttgga ggggcatgga atattcacat ggnagagccg catgaggccg 100
 cccaccacgc ttctgaagg atgccgtgg gaagaatttt gacgtgccag 150
 tgtctcgtt ctacagggtg ttccattctt ccgcaatctc agaaaaatgg 200
 gactaaaaga aacttatttt gtaaaataag aagacttcca tttttaatga 250
 ccaacatgta ttaagatgga cacctactct acgaaacacg aagttctatg 300
 gtctcgaaga agcccgtgcc tgtttgaaac tgatcctaac taaaaacaga 350
 cttgagtgga tatgagaatg ttggttagtgc gcagaagagt caaaaaatgg 400
 cagttaatta ttcagttatt tgctacttgt tttttagcga gcctcatgtt 450
 tttttgggaa ccaatcgata atcacattgt gagccatatt aagtcattatt 500
 cttacagata cctcataaat agctatgact ttgtgaatga taccctgtct 550
 cttaagca 558

<210> 512
 <211> 544
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 53, 63, 78, 111, 150
 <223> unknown base

<400> 512
 tccggaacaa ttataataaa gccancttta acccattgag agcataagga 50
 tgntgcaaag gncagtgct ggatgganag gacagtgcct ggggcagtca 100
 tggaagactt nttaggagg tgacttttta aggggttttg tgatcaaaan 150
 tatggagtct taagtccaac cagtgggtat gaattccggt tctgccactt 200
 gctataatag ctgtatcacc atgagcgata acttaacctc tttgtgcctc 250
 agtttcttca tatataaaat ggggatcatg atagctctgt cccaggggag 300

ttaggaggat taaatgcaac agtaatccaa cccacagtat gaaaagacag 350
 gctagcacat acaacacaat ctataaatgt ttgctattat tgtcatcctt 400
 tttattagta tatcatggta caagtttgct gggtagaaag atggcgatgg 450
 ggaaggggac atttcaggcc aatgtgataa taaaatcaac agacaaaaga 500
 agggagagtg tggtagtag gataaagctc tgtacagatg caag 544

<210> 513
 <211> 118
 <212> DNA
 <213> Homo Sapien

<400> 513
 atttaacttt cccctttaaa aggaattggc tatagaactg ctttgtaaag 50
 atgcttcttg atattttact tttgttcctt ttccctaatac attccctttt 100
 ttccccactc ctccagaa 118

<210> 514
 <211> 557
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 34, 56, 60, 82, 85, 115, 122, 152, 185, 187
 <223> unknown base

<400> 514
 tcccgtaggg gacttgggat cccagacgtt aaantaggag ccggaaagag 50
 ggaggnnttn ttcttgctg gaagttgct gngtnnttgt accacccag 100
 cccccccacc gtgnggggac cntcggcagt gacggccac agtgccacgt 150
 gntccagaa cccagagga aagcatcacg gttcntngtt gacagctccc 200
 agtcacacaa tccccacgtg tcctgtcatt tcctaaacaa ggtttcatca 250
 ccagatttag acccacctgc ttttctctct tttctgcttc ttccagagat 300
 ttttttagtg tcttcatttc actggttacc acttctatca tgtttctggc 350
 ctttcttta ttctccttag cctcatgttc tgtggtatcc agttctgact 400
 tgacagacat gagctttttc tcagctttct ccttcattct ctccagttgg 450
 tctctggatt tgttttagatc ttcaatggct ttagtctggt ccaaagtttt 500
 aatcttcagt tcattgggtg cggccagttt ggctttgagc tcggtgtgca 550
 agtctcg 557

<210> 515
 <211> 348
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
<222> 37, 72, 182
<223> unknown base

<400> 515
tcagcctttc tatggaaaca actttgagga tgagccncct ttattaaaaa 50
agttaggtat caattttgac cncatctggc aaaaaacact aacagtatta 100
catccgttaa aagtagcaga tggcagcatc atgaatgaaa ctgatttggc 150
aggtccaatg gttttttgcc ttgcttttgg anccacattg ctactggctg 200
gcaaaatcca gtttggctat gtatacggga tcagtgcaat tggatgtcta 250
ggaatgtttt gtttattaaa cttaatgagt atgacagggtg tttcatttgg 300
ttgtgtggca agtgtccttg gatattgtct tctgcccatg gcggccgc 348

<210> 516
<211> 428
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 86, 307
<223> unknown base

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ggtgttcctg ccttctatat gtccatccag gctgtgctgg ctctctttgc 200
tgctggcttc actactggcc ttgtgtgaa ttcagggtgt ggggttaacc 250
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<211> 393
<212> DNA
<213> Homo Sapien

<220>
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<222> 155, 159, 191, 255, 297
<223> unknown base

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1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808

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caggactaca tgatgttcat gtgtgcggtgt gtatatatat atatatttaa 200
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<221> unsure
<222> 48, 54, 66, 128
<223> unknown base
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<210> 520
<211> 474

<212> DNA
<213> Homo Sapien

<220>
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<222> 68-69, 214
<223> unknown base

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gatgactaca aaccatctga tggcctgctg gtgactgtga acggcaaccc 150
cgtggattac cacaccatcc acccaagcct gcccatggag aacggccctg 200
gcaaagccga cctntactcc acccctcagt accggtggga gccctctgat 250
gaatcctcag aaaagcgaga ggaggaagag gaagagaaaag aagaatttga 300
agaagaaagg agccgtgagg aaaaaagaag tatcaaagtt catgccatgg 350
tctccgtatt ccaattttatt atgaaacaaa gttacatctg tgccctcata 400
gctatgatgg cctggagcat cacctatcac agctggctga ccttcgtgct 450
gctgatctgg tcgtgcactc tttg 474

<210> 521
<211> 626
<212> DNA
<213> Homo Sapien
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<221> unsure
<222> 63, 116, 126, 148, 180, 193, 213, 222, 262
<223> unknown base

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cttttagacc tattgtgagg tgtttgcccn ccattagaaa ttccccaaa 200
tggttgaaaa ttnttaaaca gnagaaggaa gagactcaaa gttagcatca 250
caaagagaaa cncgatgctg gaaagggaga ttgcattctc aatccgggat 300
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tctcggttct gttccacaat taattttgca gatgtatata agtctcacta 400
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<210> 522

<211> 566

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 42-43, 100, 103, 116, 142, 216-217, 227, 233

<223> unknown base

<400> 522

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aatgagaatt atggtgttcc atgacaactt tgaataagta ttccctaaag 200
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caagtccctc cttcacttaa caagatgaga aagacaatag gtggtgtggc 350
tctctggcga cagcaaactc gcgcaattgc aagggttcgc ttgttaaagt 400
taaagcatga aagaaaagct ctttttagcac tgctattaat tctaattggc 450
ggattttgcc ctcttcttgt ggagtatacc atggtgaaaa tatatcaaaa 500
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<210> 523

<211> 503

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 67

<223> unknown base

<400> 523

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taaaatgtat tattaaatat gttaaaatta tttcattttt ttcccctttg 200
agaggtaaag cctaataactt ctccccttga atatgggcta gacttatgag 250
cacatttcta atgaacagag aaagtggatg tggatgtgac aatgtgtatg 300
ttggaagact agacaatatc agagatgaac atgatggatg aagaaaataa 350
aagaagaaag ctagttaata aaaggcacca ttgtttcctc ctcttcctcc 400

tctccacct ctttaactct ctctccctct ctctgatcaa cagctctagc 450
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tac 503

<210> 524
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<212> DNA
<213> Homo Sapien

<220>
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<222> 39, 43, 96, 344, 418
<223> unknown base

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tgtcttaagc attatgcacc tcagtgggat aaaggatata tctaagtttg 200
ctatgcatta tataatagaa gaaatagatg aagacacatc aatggaagac 250
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ctatgagata atttgcattt ggggagcagg tggagctacc ccanggaagt 350
tcttgctggg gcttcgagtt gtgacatgtg atacatcagt gcttattgca 400
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<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 105
<223> unknown base

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catcncagca ctgagagagc agataaacia gctggaggca cgctgagggc 150
aggcaggggtg tacagatggt agaggggttc caaggaaggc cgaggagcgc 200
tggtgaaag aagactgcac tcaactgcatt tgtgagagtg gccaggtcac 250
ctgtgtgggtg gagatttgct ccccggtctc ctgtcccagt cctgaattgg 300
tgaaaggaac ctgctgtcca gtttgagag accgaggaat gccaaagtgat 350
tccccagaga agcgctaata aaagttttgt gctgttgagc cccaaatggg 400
aaatttctca ggaagagaca tttaggactt cagaactttt aacttgtagt 450

cacattggtg atatggaaac cactgactta agcaacttag ttcattctaat 500

cttacatata cttacgatct tttatttttt catttttcta 539

<210> 526

<211> 456

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 109

<223> unknown base

<400> 526

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tgtctagcat caatatattt atttttatac tgtccttcag attgatgatg 400

atttccagag ttcttggggc tttaatgcct gttgcgttta cagactctca 450

tccggg 456

<210> 527

<211> 500

<212> DNA

<213> Homo Sapien

<400> 527

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gaagctcaga gacactggca agaaataact ttttaatttac cggtaaaca 200

atggtatttt aacagcagtg ataacaattt acagtattgg ggattggatt 250

accacctct tacagcttat catagtctcc tatgtgcata tgtggcaaag 300

tttataaatc cagactggat tgctctccat acatcacgtg gatatgagag 350

tcaggcacat aagctcttca tgcgtacaac agttttaatt gctgatctgc 400

tgatttacat acctgcagtg gttttgtact gttgttgctt aaaagaaatc 450

tcaactaaga aaaagattgc taatgcatta tgcactctgc tgtatccagg 500

<210> 528

<211> 512

<212> DNA

<213> Homo Sapien

<400> 528

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aggtctatat aaattttatt tataatgtat gtgtaatata cataatcata 200
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gagtaggcaa acaaattttg ccttcattgt acagttctca gtttttctta 400
taggagaaat atggtatatg tttataagaa tcttttatga gattatagat 450
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<211> 479

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 82, 196

<223> unknown base

<400> 529

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cagctggacc cagccatacc aggagtgttt ttggaaatcc ataccggtt 150
gggattgatc cgatttggaa cttggcttca aacaaactca catttntgaa 200
ctcgtataaa atgaagatgt cgggtgatct gggaattgtc cagatgggtt 250
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aacatcattc tgcaatttat ccttgagatg atttttatcc tgtgtctgtt 350
tggatacctg gttttcatga tcattttcaa atggtgctgc tttgacgtcc 400
acgtatctca gcacgcccc agcatcctca tccacttcat caacatgttt 450
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<210> 530

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 68, 72, 83, 149

<223> unknown base

<400> 530

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aagccagcca ggcctgccac agatactgca ccattttacaa aaatgctttt 450
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<210> 531

<211> 513

<212> DNA

<213> Homo Sapien

<220>

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<222> 35, 53, 454, 461, 482

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<211> 484

<212> DNA

<213> Homo Sapien

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aagtctgtag tgccaggatt caggaaaatg gctc 484

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<211> 558
<212> DNA
<213> Homo Sapien

<220>
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ggcaaggatt ctgttccaat gtttggtccc agaggaccta gaatagtact 200
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tttgccacgt cacatccaat taataatgag cttttgtttt acgtttttga 300
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ccaagtacat gaaaaatcca ttctcttggt gtcactacca gtctgcttag 450
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<210> 536
<211> 511
<212> DNA
<213> Homo Sapien

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 caagcaagga aggccgctgc ttgtttgtca tctgtctcat ggcggtgtac 200
 tgggtgcacgg aggccttgc gctctcagt acggcgctgc tgcccatcgt 250
 cctcttcccc ttcatgggca tcttgccctc caacaaggtc tgccccagc 300
 acttctcga caccaacttc ctcttctca gtgggctgat catggccagc 350
 gccattgagg agtggaacct gcaccggcga atcgccctca agatcctgat 400
 gcttggttga gtccagccgg ccaggctcat cctggggatg atggtgacca 450
 cctcgttctt gtccatgtgg ctgagcaaca ccgcctccac tgccatgatg 500
 ctccccattg c 511

<210> 537
 <211> 441
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 51, 70, 105, 134
 <223> unknown base

<400> 537
 ttggcctaatt ttaagtata taaaaaatga aattttttat gcagtgtggg 50
 ngagggggcaa aaaaaaatan atttgaacac ccagatttta gttttggctc 100
 tgtgnttgca gctagttaca tggcatccag gacnaaagtt tggaaaacaa 150
 aataatggaa ctaaataagta ctaaccaaag tatagggtgc tttatgattt 200
 acagaactct cttacaggca gtatgttggt caggcgccac tagaaccac 250
 gtaatggcag aggccttctg ttccatgttt aaaaaccttt ccaaggcttt 300
 tcattatttt cttatctgtg gtacccttag cttcctgtgc tctagacaca 350
 ctggcctacc ttcaacttcc ttgaccagt tagcttacag tgtaagctta 400
 cccacacccc ccacctctg caataaaata gtagcatcg c 441

<210> 538
 <211> 497
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 56, 76, 126, 175
 <223> unknown base

<400> 538

cctcaaagga aagggggttg tgttgctagt taagctagct tgtattgttg 200
 tggcttcctt cgttctctgc tggctgcat tctttacaga aaggaacaa 250
 accctgcagg ttctaagaag actcttccc gttgatcgtg gattatttga 300
 ggataaagta gccaatatth ggtgcagctt caatgtcttt ntgaagatta 350
 aggatatttt gccacgtcac atccaattaa taatgagctt ttgttttacg 400
 tttttgagcc tgcttctgc atgcataaaa ttaatacttc a 441

<210> 541
 <211> 180
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 45, 53, 55, 95
 <223> unknown base

<400> 541
 ccttccactt atgtgggtccc acaccacccg cctcccctgc caggntttat 50
 ttngngtgtg tgtgagtgtg ttctgttttg tgttttggtt tttgntgttg 100
 ttttcagttg tttgggtttt tttcttttcc cccctccggt cccatacttc 150
 acagcactct ggtgcgggaa gaagcagaag 180

<210> 542
 <211> 318
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 57
 <223> unknown base

<400> 542
 tctagtttgc ctaagtagaa tttacatggg aatgcactct attctggata 50
 ttattgntgg attcctatat accattttta tcttagctgt cttctatcca 100
 tttgtggacc tgattgacaa cttcaaccaa actcacaat atgctccatt 150
 catcatcatc gggcttcatt tagctttggg gatcttttct ttcactcttg 200
 acacctggag cacatccga ggagacacag ccgagatact aggaagtgg 250
 gctggaattg catgtggatc tcatgttact tataacatgg gtctagtatt 300
 agatccttct ctagatac 318

<210> 543
 <211> 396
 <212> DNA
 <213> Homo Sapien

<400> 543
 agaaccccc ggtgaagttt tccgccaata acctaagggg gctttttcca 50

<210> 546
 <211> 374
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 99, 102, 129
 <223> unknown base

<400> 546
 cataaatata cccaccccaa atggacgact tatgaaggaa ttncttgtga 50
 aagctcattg gagtaaaatt tcctctcaaa caatactttt aggtcatang 100
 cntgagtcta ttaattatth ttctgttana ccttgccaaa aaagaatttt 150
 aaaagttagt ttatgttttg tgtaaccatg ttcttcagaa tgcaggtatg 200
 tgagcatcat gggttctggg taattctgct gctcctgtct ttgaaaatgg 250
 agataccact tgcagcttat cccactgctg agtattccag cattggtagt 300
 ggtttcactc cattgcatcc atccagaact ttcacacagg cctcccccca 350
 accccttgcg gcgcaagggg ttcg 374

<210> 547
 <211> 251
 <212> DNA
 <213> Homo Sapien

<400> 547
 aaaaaaaaaa aattaagtga acctctactt tagaatgttg gcttttcata 50
 tatgtacaaa acaaaagagg ttgcagtgat ggcgtggata aaggcacctg 100
 tgtacttttc caacctatcc aatttcaaga tgtatccttt gtggattaca 150
 ttggttcttt tctatggaat catgcacctt agacctggga gaaaccagcg 200
 tgacatccag ggtcaagggt ttccaatcag gtattttggg caaggggttc 250
 g 251

<210> 548
 <211> 331
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 77
 <223> unknown base

<400> 548
 aaaaaaaaaa aaaaaaagc taaaaaccct tgactaaatc tcccatgttt 50
 tctcatatta ttaaaaattc taaacngggg tttttttgtt ttgttttgtt 100
 tttctgtttc tcctctgca gagttgttag cggttctcga gatgccactc 150
 ttaggggttg ggatattgag acaggccagt gtttacatgt tttgatgggt 200

caggttgat ggggaaaggc taatggggtc agaccccacc cgtctaccc 400
ctccagtcag cccagcgccc atcctgcagc tcagctggga gcatcattct 450
cctgctttgt acataggggtg tgggtcccctg gnangtggcc accatcatgt 500
ctaggcctat gctaggaggc aaatggccag gctctgcctg tgtttttctc 550
aacactantt ttctgatatg agggcagcac ctgcctctga atgggaaatc 600
atgcaactac tcagaatgtg tcttcctcat ctaatgctca tctgtttaat 650
ggtgatgcct cgcgtacagg atctgggttac ctgtgcagtt gtgaataccc 700
agaggttggg cagatcagtg tctctagt 728

<210> 559
<211> 586
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 34, 68, 70, 113, 119, 150, 291, 312
<223> unknown base

<400> 559
atccggctgg gatacaattt tcatcttcca tttactctt gtcaattcca 50
ccttttaaga agacagcntn tcattcctga ggcattgaaa ttctccaggg 100
acaaagccat gntcagtna catgtgtgtg cagagagaaa tgcacctgtg 150
tatctaaggg tagatttttg atccctgaat aattcattga cttaaactgac 200
ctcttctctc tggctaaata aattaatttt gctggcttct ctctcagcgg 250
tttctatttt gtaaattgct gcatgaccaa aatagcccca ntcaaaatca 300
attgattaa tnttaatggg ttggttgat gaatattctt ggatgaatat 350
aaaatgtgct gcccttcaca gatgacacca ctcccctgtc aatcatagca 400
catgtgtact ttttattgtt acttaatatg gatggatttg cacttttcta 450
tctcactact ctttctctgtt ttcttctttg tacaattgca tgcaggaggg 500
ctggatgcca gggtaagag agaaattcat gacaaggaag gtaaaattgg 550
ttcaaatgag catgtgtccc acagccttag tctccc 586

<210> 560
<211> 648
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 71, 102, 113, 149, 157
<223> unknown base

<400> 560
ccgggaaatt aagccctttt ttttttttca aataataaaa gcttcgaaat 50

tgaaagggag aagtaaatat nccggatacc atgatttaat atgtagaaat 100
 tntaagagat tcncaaacca ttaaagataa aagccagttc accaaagtna 150
 aggatgnaag atcagtgtac ataaatctgt tttatttcca tatacttgca 200
 aagaggaatc ccaaaactga gattgaggaa agcatatata atagcatcaa 250
 aaagtagtac aaaacatata ctctgaaaac tgcagaatgt tgagagaaat 300
 taaataagta aatagataat cccatgttca tctagccaga ggactcatgt 350
 attttgggta ttaaccocctg atcagatgta tggtttgcaa atattttctc 400
 ccatttcata cattggctct tcattctggt gattgttctc ttctgtaca 450
 gaagttttta agtttcatat ataattttag tggctctatt ttgccttcgt 500
 tccctatgct gtcgggggtca tatctaaaaa aggtcatcgt gcagaccaac 550
 gtcattggaga ttttccctgt gtttccagta gttttacagt tttgggtctt 600
 acatataagt ttgttttctt tttttcgaga tggaatcttg ctctgcgg 648

<210> 561
 <211> 322
 <212> DNA
 <213> Homo Sapien

<400> 561
 aaaaaaaaaa aaaaaagggc ggccgcgact ctagagtcga cctgcagggt 50
 ttttatccaa aatgaaatgg ttgggcacca aagagacaga aaccacaaag 100
 tcaaccactt aggtcacaca tggttctgaa agtcctatac tgttctggat 150
 tcccaggcac agaactccgg gctgctcagg aagagactat gattcttcca 200
 cctgccagct actattggcc atcccttctc attgcttcta gctccagcct 250
 tctcatccca attctctatt ctacattggt atttctaacc cattgtgtgc 300
 tgggaaatca aaccactcag ca 322

<210> 562
 <211> 275
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 13, 206, 237
 <223> unknown base

<400> 562
 cccacgcgtc cgntgggtggc ttcagaagaa attctcaaca cctagctcgc 50
 cagagagtct atgtatggga ttgaacaatc tgtaaaactaa aggatcctaa 100
 tcatgaaaat aagtatgata aattataagt cactattggc actgttgttt 150
 atattagcct cctggatcat ttttacagtt ttccagaact ccacaaagg 200

ttggtntgct ctaaacttat ccatctccct ccattantgg aacaactcca 250

caaagtcctt attccctaaa acacc 275

<210> 563

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide probe

<400> 563

tgtaaaacga cggccagtta aatagacctg caattattaa tct 43

<210> 564

<211> 41

<212> DNA

<213> Homo Sapien

<220>

<221> Artificial Sequence

<222> full

<223> Synthetic oligonucleotide probe

<400> 564

caggaaacag ctatgaccac ctgcacacct gcaaattccat t 41